

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6262G-1**Price:** \$120.00**Gene Name:**ABL1**Mutation Id:** COSM12578**Nucleotide Change:** c.1052T>C**Amino Acid Change:** p.M351T**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6061G-1**Price:** \$120.00**Gene Name:**AKT1**Mutation Id:** COSM33765**Nucleotide Change:** c.49G>A**Amino Acid Change:** p.E17K**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6308G-1**Price:** \$120.00**Gene Name:**ALK**Mutation Id:** COSM28059**Nucleotide Change:** c.3521T>G**Amino Acid Change:** p.F1174C**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6309G-1**Price:** \$120.00**Gene Name:**ALK**Mutation Id:** COSM28056**Nucleotide Change:** c.3824G>A**Amino Acid Change:** p.R1275Q**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6310G-1**Price:** \$120.00**Gene Name:**ALK**Mutation Id:** COSM28060**Nucleotide Change:** c.3824G>T**Amino Acid Change:** p.R1275L**Frequency:** Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6311G-1**Price:** \$120.00**Gene Name:**ALK**Mutation Id:** COSM99137**Nucleotide Change:** c.3586C>A**Amino Acid Change:** p.L1196M**Frequency:** Heterozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6146G-1**Price:** \$120.00**Gene Name:**APC**Mutation Id:** COSM18764**Nucleotide Change:** c.3921_3925delAAAAG**Amino Acid Change:** p.E1309fs*4**Frequency:** Heterozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6148G-1**Price:** \$120.00**Gene Name:**APC**Mutation Id:** COSM13864**Nucleotide Change:** c.4393_4394delAG**Amino Acid Change:** p.S1465fs*3**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6144G-1**Price:** \$120.00**Gene Name:**APC**Mutation Id:** COSM13127**Nucleotide Change:** c.4348C>T**Amino Acid Change:** p.R1450***Frequency:** Heterozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6412G-1**Price:** \$120.00**Gene Name:**APC**Mutation Id:** COSM41607**Nucleotide Change:** c.4090_4091insA**Amino Acid Change:** p.S1364fs*11**Frequency:** Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6435G-1**Price:** \$120.00**Gene Name:**APC**Mutation Id:** COSM18761**Nucleotide Change:** c.4090delA**Amino Acid Change:** p.S1364fs*51**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6150G-1**Price:** \$120.00**Gene Name:**APC**Mutation Id:** COSM13134**Nucleotide Change:** c.637C>T**Amino Acid Change:** p.R213***Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6424G-1**Price:** \$120.00**Gene Name:**ATM**Mutation Id:** COSM1235448**Nucleotide Change:** c.1000_1001insA**Amino Acid Change:** p.S334fs*5**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6047-1**Price:** \$120.00**Gene Name:**BRAF**Mutation Id:** COSM476**Nucleotide Change:** 1799T>A**Amino Acid Change:** V600E**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6044-1**Price:** \$120.00**Gene Name:**BRAF**Mutation Id:** COSM473**Nucleotide Change:** 1798_1799GT>AA**Amino Acid Change:** V600K**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard**

Catalog: ASO-6045-1
Price: \$120.00
Gene Name:BRAF
Mutation Id: COSM474
Nucleotide Change: 1798_1799GT>AG
Amino Acid Change: V600R
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6049-1
Price: \$120.00
Gene Name:BRAF
Mutation Id: COSM1130
Nucleotide Change: 1798G>A
Amino Acid Change: V600M
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6046-1
Price: \$120.00
Gene Name:BRAF
Mutation Id: COSM475
Nucleotide Change: 1799_1800TG>AA
Amino Acid Change: V600E
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6048-1
Price: \$120.00
Gene Name:BRAF
Mutation Id: COSM477
Nucleotide Change: 1799_1800TG>AT
Amino Acid Change: V600D
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6050-1
Price: \$120.00
Gene Name:BRAF
Mutation Id: COSM6137
Nucleotide Change: 1799T>G
Amino Acid Change: V600G
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6108G-1

Price: \$120.00
Gene Name:BRCA1
Mutation Id: COSM35891
Nucleotide Change: c.5263_5264insC(5382insC)
Amino Acid Change: p.Q1756fs*74
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6107G-1
Price: \$120.00
Gene Name:BRCA1
Mutation Id: COSM3190163
Nucleotide Change: c.68_69delAG
Amino Acid Change: p.E23fs*17
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6106G-1
Price: \$120.00
Gene Name:BRCA1
Mutation Id: COSM78883
Nucleotide Change: c.5503C>T
Amino Acid Change: p.R1835*
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6113G-1
Price: \$120.00
Gene Name:BRCA1
Mutation Id: rs80357997
Nucleotide Change: c.5137delG
Amino Acid Change: p.Val1713Terfs
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6114G-1
Price: \$120.00
Gene Name:BRCA1
Mutation Id: ClinVar55412
Nucleotide Change: c.5138T>C
Amino Acid Change: p.V1713A
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6115G-1
Price: \$120.00

Gene Name:BRCA1
Mutation Id: COSM148277
Nucleotide Change: c.3548A>G
Amino Acid Change: p.K1183R
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6116G-1
Price: \$120.00
Gene Name:BRCA1
Mutation Id: COSM148278
Nucleotide Change: c.2612C>T
Amino Acid Change: p.P871L
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6112G-1
Price: \$120.00
Gene Name:BRCA1
Mutation Id: OMIM: 113705.0025
Nucleotide Change: c.3481_3491del11
Amino Acid Change: p.E1161Fs
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6119G-1
Price: \$120.00
Gene Name:BRCA2
Mutation Id: COSM1738242
Nucleotide Change: c.7934delG
Amino Acid Change: p.R2645fs*3
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6337G-1
Price: \$120.00
Gene Name:BRCA2
Mutation Id: COSM6048457
Nucleotide Change: c.5067delA
Amino Acid Change: p.K1691fs*15
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6513G-1
Price: \$120.00
Gene Name:BRCA2

Mutation Id: COSM5078975
Nucleotide Change: c.5066_5067insA
Amino Acid Change: p.W1692fs*3
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6294G-1
Price: \$120.00
Gene Name:CDH1
Mutation Id: COSM972800
Nucleotide Change: c.2195G>A
Amino Acid Change: p.R732Q
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6295G-1
Price: \$120.00
Gene Name:CDX2
Mutation Id: COSM1366182
Nucleotide Change: c.916delG
Amino Acid Change: p.V306fs*2
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6137G-1
Price: \$120.00
Gene Name:CTNNB1
Mutation Id: COSM5663
Nucleotide Change: c.133T>C
Amino Acid Change: p.S45P
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6138G-1
Price: \$120.00
Gene Name:CTNNB1
Mutation Id: COSM5662
Nucleotide Change: c.110C>T
Amino Acid Change: p.S37F
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6142G-1
Price: \$120.00
Gene Name:CTNNB1
Mutation Id: COSM5676

Nucleotide Change: c.122C>T

Amino Acid Change: p.T41I

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6524G-1

Price: \$120.00

Gene Name:CTNNB1

Mutation Id: COSM6132

Nucleotide Change: c.136_141delCTGAGT

Amino Acid Change: p.L46_S47del

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6528G-1

Price: \$120.00

Gene Name:CTNNB1

Mutation Id: COSM5990184

Nucleotide Change: c.116_138del23

Amino Acid Change: p.A39fs*3

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6143G-1

Price: \$120.00

Gene Name:CTNNB1

Mutation Id: COSM6128

Nucleotide Change: c.133_135delTCT

Amino Acid Change: p.S45del

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6052G-1

Price: \$120.00

Gene Name:PIK3CA

Mutation Id: COSM776

Nucleotide Change: c.3140A>T

Amino Acid Change: p.H1047L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6140G-1

Price: \$120.00

Gene Name:CTNNB1

Mutation Id: COSM5673

Nucleotide Change: c.98C>A

Amino Acid Change: p.S33Y

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6139G-1

Price: \$120.00

Gene Name:CTNNB1

Mutation Id: COSM5677

Nucleotide Change: c.98C>G

Amino Acid Change: p.S33C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6008-1

Price: \$120.00

Gene Name:EGFR

Mutation Id: COSM12384

Nucleotide Change: 2237_2255>T

Amino Acid Change: E746_S752>V

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6003-1

Price: \$120.00

Gene Name:EGFR

Mutation Id: COSM6255

Nucleotide Change: 2239_2256del18

Amino Acid Change: L747_S752del

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6029-1

Price: \$120.00

Gene Name:EGFR

Mutation Id: COSM6240

Nucleotide Change: c.2369C>T

Amino Acid Change: p.T790M

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6183G-1

Price: \$120.00

Gene Name:EGFR

Mutation Id: COSM13193

Nucleotide Change: c.2477A>G

Amino Acid Change: p.N826S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6343G-1

Price: \$120.00

Gene Name:EGFR

Mutation Id: COSM12988

Nucleotide Change: c.2125G>A

Amino Acid Change: p.E709K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6346G-1

Price: \$120.00

Gene Name:EGFR

Mutation Id: COSM236670

Nucleotide Change: c.1476C>A

Amino Acid Change: p.S492R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6000-1

Price: \$120.00

Gene Name:EGFR

Mutation Id: COSM6252

Nucleotide Change: 2155G>A

Amino Acid Change: G719S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6001-1

Price: \$120.00

Gene Name:EGFR

Mutation Id: COSM6253

Nucleotide Change: 2155G>T

Amino Acid Change: G719C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6002-1

Price: \$120.00

Gene Name:EGFR

Mutation Id: COSM6239

Nucleotide Change: 2156G>C

Amino Acid Change: G719A

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASO-6015-1**Price:** \$120.00**Gene Name:**EGFR**Mutation Id:** COSM26038**Nucleotide Change:** 2233_2247del15**Amino Acid Change:** K745_E749delKELRE**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASO-6024-1**Price:** \$120.00**Gene Name:**EGFR**Mutation Id:** COSM13550**Nucleotide Change:** 2235_2248>AATTC**Amino Acid Change:** E746_A750>IP**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASO-6016-1**Price:** \$120.00**Gene Name:**EGFR**Mutation Id:** COSM6223**Nucleotide Change:** 2235_2249del15**Amino Acid Change:** E746_A750delIELREA**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASO-6014-1**Price:** \$120.00**Gene Name:**EGFR**Mutation Id:** COSM13551**Nucleotide Change:** 2235_2252>AAT**Amino Acid Change:** E746_T751>I**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASO-6017-1**Price:** \$120.00**Gene Name:**EGFR**Mutation Id:** COSM6225**Nucleotide Change:** 2236_2250del15**Amino Acid Change:** E746_A750delIELREA**Frequency:** Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASO-6009-1**Price:** \$120.00**Gene Name:**EGFR**Mutation Id:** COSM12728**Nucleotide Change:** 2236_2253del18**Amino Acid Change:** E746_T751del**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6010-1**Price:** \$120.00**Gene Name:**EGFR**Mutation Id:** COSM12678**Nucleotide Change:** 2237_2251del15**Amino Acid Change:** E746_T751>A**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6013-1**Price:** \$120.00**Gene Name:**EGFR**Mutation Id:** COSM12386**Nucleotide Change:** 2237_2252>T**Amino Acid Change:** E746_T751>V**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6007-1**Price:** \$120.00**Gene Name:**EGFR**Mutation Id:** COSM12367**Nucleotide Change:** 2237_2254del18**Amino Acid Change:** E746_S752>A**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6022-1**Price:** \$120.00**Gene Name:**EGFR**Mutation Id:** COSM12422**Nucleotide Change:** 2238_2248>GC**Amino Acid Change:** L747_A750>P**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard**

Catalog: ASO-6020-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM12419
Nucleotide Change: 2238_2252>GCA
Amino Acid Change: L747_T751>Q
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6005-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM6220
Nucleotide Change: 2238_2255del18
Amino Acid Change: E746_S752>D
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6023-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM6218
Nucleotide Change: 2239_2247del9
Amino Acid Change: L747_E749delLRE
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6021-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM12382
Nucleotide Change: 2239_2248TTAAGAGAAG>C
Amino Acid Change: L747_A750>P
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6018-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM12383
Nucleotide Change: 2239_2251>C
Amino Acid Change: L747_T751>P
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6011-1

Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM6254
Nucleotide Change: 2239_2253del15
Amino Acid Change: L747_T751delLREAT
Frequency: ASE-8011 (To be discontinued)

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6006-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM12387
Nucleotide Change: 2239_2258>CA
Amino Acid Change: L747_P753>Q
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6019-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM6210
Nucleotide Change: 2240_2251del12
Amino Acid Change: L747_T751>S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6012-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM12369 (COSM6254)
Nucleotide Change: 2240_2254del15
Amino Acid Change: L747_T751del
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6004-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM12370
Nucleotide Change: 2240_2257del18
Amino Acid Change: L747_P753>S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6025-1
Price: \$120.00

Gene Name:EGFR
Mutation Id: COSM6241
Nucleotide Change: 2303G>T
Amino Acid Change: S768I
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6026-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM12376
Nucleotide Change: 2307_2308insGCCAGCGTG
Amino Acid Change: V769_D770insASV
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6027-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM12378
Nucleotide Change: 2310_2311insGGT
Amino Acid Change: D770_N771insG
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6028-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM12377
Nucleotide Change: 2319_2320insCAC
Amino Acid Change: H773_V774insH
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6030-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM6224
Nucleotide Change: 2573T>G
Amino Acid Change: L858R
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6031-1
Price: \$120.00
Gene Name:EGFR

Mutation Id: COSM6213
Nucleotide Change: 2582T>A
Amino Acid Change: L861Q
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6182G-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM18422
Nucleotide Change: c.2360A>G
Amino Acid Change: p.Q787R
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6177G-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM6493937/6240
Nucleotide Change: c.2389T>A/c.2369C>T
Amino Acid Change: p.C797S/T790M
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6185G-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM85894
Nucleotide Change: c.2527G>A
Amino Acid Change: p.V843I
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6176G-1
Price: \$120.00
Gene Name:EGFR
Mutation Id: COSM5945664/6240
Nucleotide Change: c.2390G>C/c.2369C>T
Amino Acid Change: p.C797S/T790M
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6175G-1
Price: \$120.00
Gene Name:ERBB2
Mutation Id: COSM12553

Nucleotide Change: c.2326_2327insTGT

Amino Acid Change: p.G776>VC

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6171G-1

Price: \$120.00

Gene Name:ESR1

Mutation Id: COSM1074635

Nucleotide Change: c.1609T>A

Amino Acid Change: p.Y537N

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6170G-1

Price: \$120.00

Gene Name:ESR1

Mutation Id: COSM1074639

Nucleotide Change: c.1610A>C

Amino Acid Change: p.Y537S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6172G-1

Price: \$120.00

Gene Name:ESR1

Mutation Id: COSM1074637

Nucleotide Change: c.1610A>G

Amino Acid Change: p.Y537C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6169G-1

Price: \$120.00

Gene Name:ESR1

Mutation Id: COSM94250

Nucleotide Change: c.1613A>G

Amino Acid Change: p.D538G

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6354G-1

Price: \$120.00

Gene Name:FBXW7

Mutation Id: COSM22971

Nucleotide Change: c.832C>T

Amino Acid Change: p.R278*

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6355G-1

Price: \$120.00

Gene Name:FBXW7

Mutation Id: COSM22964

Nucleotide Change: c.1099C>T

Amino Acid Change: p.R367*

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6247G-1

Price: \$120.00

Gene Name:FGFR2

Mutation Id: COSM36903

Nucleotide Change: c.755C>G

Amino Acid Change: p.S252W

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6250G-1

Price: \$120.00

Gene Name:FGFR2

Mutation Id: COSM36904

Nucleotide Change: c.1124A>G

Amino Acid Change: p.Y375C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6251G-1

Price: \$120.00

Gene Name:FGFR2

Mutation Id: COSM36906

Nucleotide Change: c.1144T>C

Amino Acid Change: p.C382R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6208G-1

Price: \$120.00

Gene Name:FGFR3

Mutation Id: COSM714

Nucleotide Change: c.742C>T

Amino Acid Change: p.R248C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6209G-1

Price: \$120.00

Gene Name:FGFR3

Mutation Id: COSM718

Nucleotide Change: c.1118A>G

Amino Acid Change: p.Y373C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6211G-1

Price: \$120.00

Gene Name:FGFR3

Mutation Id: COSM17461

Nucleotide Change: c.1111A>T

Amino Acid Change: p.S371C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6212G-1

Price: \$120.00

Gene Name:FGFR3

Mutation Id: COSM24842

Nucleotide Change: c.1138G>A

Amino Acid Change: p.G380R

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6154G-1

Price: \$120.00

Gene Name:FLT3

Mutation Id: COSM785

Nucleotide Change: c.2503G>C

Amino Acid Change: p.D835H

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6157G-1

Price: \$120.00

Gene Name:FLT3

Mutation Id: COSM19836

Nucleotide Change: c.2508_2510delCAT

Amino Acid Change: p.I836delI

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6279G-1**Price:** \$120.00**Gene Name:**GNAQ**Mutation Id:** COSM28758**Nucleotide Change:** c.626A>C**Amino Acid Change:** p.Q209P**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6281G-1**Price:** \$120.00**Gene Name:**GNAQ**Mutation Id:** COSM28760**Nucleotide Change:** c.626A>G**Amino Acid Change:** p.Q209R**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6278G-1**Price:** \$120.00**Gene Name:**GNAQ**Mutation Id:** COSM28757**Nucleotide Change:** c.626A>T**Amino Acid Change:** p.Q209L**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6285G-1**Price:** \$120.00**Gene Name:**GNAS**Mutation Id:** COSM27899**Nucleotide Change:** c.601C>A**Amino Acid Change:** p.R201S**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6286G-1**Price:** \$120.00**Gene Name:**GNAS**Mutation Id:** COSM27895**Nucleotide Change:** c.602G>A**Amino Acid Change:** p.R201H**Frequency:** Heterozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6468G-1**Price:** \$120.00**Gene Name:**GNAS**Mutation Id:** rs1060500285**Nucleotide Change:** c.686A>G**Amino Acid Change:** p.D229G**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard HCT116 WT****Catalog:** ASO-6052-1**Price:** \$120.00**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6076G-1**Price:** \$120.00**Gene Name:**HRAS**Mutation Id:** COSM483**Nucleotide Change:** c.35G>T**Amino Acid Change:** p.G12V**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6077G-1**Price:** \$120.00**Gene Name:**HRAS**Mutation Id:** COSM484**Nucleotide Change:** c.35G>A**Amino Acid Change:** p.G12D**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6361G-1**Price:** \$120.00**Gene Name:**HRAS**Mutation Id:** COSM502**Nucleotide Change:** c.183G>T**Amino Acid Change:** p.Q61H**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6079G-1**Price:** \$120.00**Gene Name:**HRAS**Mutation Id:** COSM496**Nucleotide Change:** c.181C>A

Amino Acid Change: p.Q61K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6078G-1

Price: \$120.00

Gene Name:HRAS

Mutation Id: COSM486

Nucleotide Change: c.37G>C

Amino Acid Change: p.G13R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6080G-1

Price: \$120.00

Gene Name:HRAS

Mutation Id: COSM499

Nucleotide Change: c.182A>G

Amino Acid Change: p.Q61R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6218G-1

Price: \$120.00

Gene Name:IDH1

Mutation Id: COSM28746

Nucleotide Change: c.395G>A

Amino Acid Change: p.R132H

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6226G-1

Price: \$120.00

Gene Name:IDH2

Mutation Id: COSM41877

Nucleotide Change: c.418C>T

Amino Acid Change: p.R140W

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6225G-1

Price: \$120.00

Gene Name:IDH2

Mutation Id: COSM41590

Nucleotide Change: c.419G>A

Amino Acid Change: p.R140Q

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6227G-1

Price: \$120.00

Gene Name:IDH2

Mutation Id: COSM41875

Nucleotide Change: c.419G>T

Amino Acid Change: p.R140L

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6232G-1

Price: \$120.00

Gene Name:IDH2

Mutation Id: COSM33731

Nucleotide Change: c.514A>G

Amino Acid Change: p.R172G

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6231G-1

Price: \$120.00

Gene Name:IDH2

Mutation Id: COSM34039

Nucleotide Change: c.514A>T

Amino Acid Change: p.R172W

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6228G-1

Price: \$120.00

Gene Name:IDH2

Mutation Id: COSM33733

Nucleotide Change: c.515G>A

Amino Acid Change: p.R172K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6229G-1

Price: \$120.00

Gene Name:IDH2

Mutation Id: COSM33732

Nucleotide Change: c.515G>T

Amino Acid Change: p.R172M

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6230G-1**Price:** \$120.00**Gene Name:**IDH2**Mutation Id:** COSM34090**Nucleotide Change:** c.516G>T**Amino Acid Change:** p.R172S**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6120G-1**Price:** \$120.00**Gene Name:**JAK2**Mutation Id:** COSM12600**Nucleotide Change:** c.1849G>T**Amino Acid Change:** p.V617F**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6121G-1**Price:** \$120.00**Gene Name:**JAK2**Mutation Id:** COSM4391514**Nucleotide Change:** c.1843G>T**Amino Acid Change:** p.V615L**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6122G-1**Price:** \$120.00**Gene Name:**JAK2**Mutation Id:** COSM29117**Nucleotide Change:** c.1849G>A**Amino Acid Change:** p.V617I**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6160G-1**Price:** \$120.00**Gene Name:**KIT**Mutation Id:** COSM1226**Nucleotide Change:** c.1670_1675delGGAAGG**Amino Acid Change:** p.W557_V559>F**Frequency:** Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6162G-1**Price:** \$120.00**Gene Name:**KIT**Mutation Id:** COSM1314**Nucleotide Change:** c.2447A>T**Amino Acid Change:** p.D816V**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6163G-1**Price:** \$120.00**Gene Name:**KIT**Mutation Id:** COSM1310**Nucleotide Change:** c.2446G>T**Amino Acid Change:** p.D816Y**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6164G-1**Price:** \$120.00**Gene Name:**KIT**Mutation Id:** COSM1311**Nucleotide Change:** c.2446G>C**Amino Acid Change:** p.D816H**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6166G-1**Price:** \$120.00**Gene Name:**KIT**Mutation Id:** COSM1255**Nucleotide Change:** c.1676T>C**Amino Acid Change:** p.V559A**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6167G-1**Price:** \$120.00**Gene Name:**KIT**Mutation Id:** COSM1257**Nucleotide Change:** c.1679T>A**Amino Acid Change:** p.V560D**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard**

Catalog: ASE-6159G-1
Price: \$120.00
Gene Name:KIT
Mutation Id: COSM1221
Nucleotide Change: c.1669T>G
Amino Acid Change: p.W557G
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6165G-1
Price: \$120.00
Gene Name:KIT
Mutation Id: COSM1252
Nucleotide Change: c.1676T>A
Amino Acid Change: p.V559D
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6410G-1
Price: \$120.00
Gene Name:KIT
Mutation Id: COSM21979
Nucleotide Change: c.2446_2447GA>AT
Amino Acid Change: p.D816I
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6411G-1
Price: \$120.00
Gene Name:KIT
Mutation Id: COSM1254
Nucleotide Change: c.1676_1684del9
Amino Acid Change: p.V559_E561del
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6423G-1
Price: \$120.00
Gene Name:KIT
Mutation Id: COSM1256
Nucleotide Change: c.1678_1680delGTT
Amino Acid Change: p.V560del
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6531G-1

Price: \$120.00
Gene Name:KIT
Mutation Id: COSM1247
Nucleotide Change: c.1675_1677delGTT
Amino Acid Change: p.V559del
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6038-1
Price: \$120.00
Gene Name:KRAS
Mutation Id: COSM527
Nucleotide Change: 37G>T
Amino Acid Change: G13C
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6062G-1
Price: \$120.00
Gene Name:KRAS
Mutation Id: COSM554
Nucleotide Change: c.183A>C
Amino Acid Change: p.Q61H
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6033-1
Price: \$120.00
Gene Name:KRAS
Mutation Id: COSM517
Nucleotide Change: 34G>A
Amino Acid Change: G12S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6034-1
Price: \$120.00
Gene Name:KRAS
Mutation Id: COSM518
Nucleotide Change: 34G>C
Amino Acid Change: G12R
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6032-1
Price: \$120.00

Gene Name: KRAS
Mutation Id: COSM516
Nucleotide Change: 34G>T
Amino Acid Change: G12C
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6036-1
Price: \$120.00
Gene Name: KRAS
Mutation Id: COSM521
Nucleotide Change: 35G>A
Amino Acid Change: G12D
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6037-1
Price: \$120.00
Gene Name: KRAS
Mutation Id: COSM522
Nucleotide Change: 35G>C
Amino Acid Change: G12A
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6035-1
Price: \$120.00
Gene Name: KRAS
Mutation Id: COSM520
Nucleotide Change: 35G>T
Amino Acid Change: G12V
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6039-1
Price: \$120.00
Gene Name: KRAS
Mutation Id: COSM528
Nucleotide Change: 37G>A
Amino Acid Change: G13S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6040-1
Price: \$120.00
Gene Name: KRAS

Mutation Id: COSM529
Nucleotide Change: 37G>C
Amino Acid Change: G13R
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6041-1

Price: \$120.00

Gene Name: KRAS

Mutation Id: COSM532

Nucleotide Change: 38G>A

Amino Acid Change: G13D

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6042-1

Price: \$120.00

Gene Name: KRAS

Mutation Id: COSM533

Nucleotide Change: 38G>C

Amino Acid Change: G13A

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6043-1

Price: \$120.00

Gene Name: KRAS

Mutation Id: COSM534

Nucleotide Change: 38G>T

Amino Acid Change: G13V

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6201G-1

Price: \$120.00

Gene Name: MAP2K1

Mutation Id: COSM235614

Nucleotide Change: c.370C>T

Amino Acid Change: p.P124S

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6204G-1

Price: \$120.00

Gene Name: MAP2K1

Mutation Id: COSM232755

Nucleotide Change: c.607G>A

Amino Acid Change: p.E203K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6202G-1

Price: \$120.00

Gene Name:MAP2K1

Mutation Id: COSM1315861

Nucleotide Change: c.371C>T

Amino Acid Change: p.P124L

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6205G-1

Price: \$120.00

Gene Name:MAP2K1

Mutation Id: COSM1235478

Nucleotide Change: c.171G>T

Amino Acid Change: p.K57N

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6299G-1

Price: \$120.00

Gene Name:MET

Mutation Id: COSM707

Nucleotide Change: c.3029C>T

Amino Acid Change: p.T1010I

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6300G-1

Price: \$120.00

Gene Name:MET

Mutation Id: COSM699

Nucleotide Change: c.3743A>G

Amino Acid Change: p.Y1248C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6303G-1

Price: \$120.00

Gene Name:MET

Mutation Id: COSM706

Nucleotide Change: c.504G>T

Amino Acid Change: p.E168D

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6296G-1

Price: \$120.00

Gene Name:MLH1

Mutation Id: COSM2985326

Nucleotide Change: c.967C>A

Amino Acid Change: p.L323M

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6297G-1

Price: \$120.00

Gene Name:MLH1

Mutation Id: COSM26085

Nucleotide Change: c.1151T>A

Amino Acid Change: p.V384D

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6271G-1

Price: \$120.00

Gene Name:NOTCH1

Mutation Id: COSM12772

Nucleotide Change: c.4721T>C

Amino Acid Change: p.L1574P

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6272G-1

Price: \$120.00

Gene Name:NOTCH1

Mutation Id: COSM13047

Nucleotide Change: c.4732_4734delGTG

Amino Acid Change: p.V1578delV

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6273G-1

Price: \$120.00

Gene Name:NOTCH1

Mutation Id: COSM13042

Nucleotide Change: c.4778T>C

Amino Acid Change: p.L1593P

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6275G-1

Price: \$120.00

Gene Name:NOTCH1

Mutation Id: COSM12771

Nucleotide Change: c.4799T>C

Amino Acid Change: p.L1600P

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6277G-1

Price: \$120.00

Gene Name:NOTCH1

Mutation Id: COSM33747

Nucleotide Change: c.5094C>T

Amino Acid Change: p.D1698D

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6068G-1

Price: \$120.00

Gene Name:NRAS

Mutation Id: COSM573

Nucleotide Change: c.38G>A

Amino Acid Change: p.G13D

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6366G-1

Price: \$120.00

Gene Name:NRAS

Mutation Id: COSM585

Nucleotide Change: c.183A>T

Amino Acid Change: p.Q61H

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6368G-1

Price: \$120.00

Gene Name:NRAS

Mutation Id: COSM566

Nucleotide Change: c.35G>T

Amino Acid Change: p.G12V

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6072G-1**Price:** \$120.00**Gene Name:**NRAS**Mutation Id:** COSM580**Nucleotide Change:** c.181C>A**Amino Acid Change:** p.Q61K**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6071G-1**Price:** \$120.00**Gene Name:**NRAS**Mutation Id:** COSM584**Nucleotide Change:** c.182A>G**Amino Acid Change:** p.Q61R**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6073G-1**Price:** \$120.00**Gene Name:**NRAS**Mutation Id:** COSM583**Nucleotide Change:** c.182A>T**Amino Acid Change:** p.Q61L**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6200G-1**Price:** \$120.00**Gene Name:**NRAS**Mutation Id:** COSM5044298**Nucleotide Change:** c.183_183delA**Amino Acid Change:** p.E62fs*6**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6066G-1**Price:** \$120.00**Gene Name:**NRAS**Mutation Id:** COSM563**Nucleotide Change:** c.34G>A**Amino Acid Change:** p.G12S**Frequency:** Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6067G-1**Price:** \$120.00**Gene Name:**NRAS**Mutation Id:** COSM562**Nucleotide Change:** c.34G>T**Amino Acid Change:** p.G12C**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6065G-1**Price:** \$120.00**Gene Name:**NRAS**Mutation Id:** COSM564**Nucleotide Change:** c.35G>A**Amino Acid Change:** p.G12D**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6069G-1**Price:** \$120.00**Gene Name:**NRAS**Mutation Id:** COSM569**Nucleotide Change:** c.37G>C**Amino Acid Change:** p.G13R**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6254G-1**Price:** \$120.00**Gene Name:**PDGFRA**Mutation Id:** COSM22413**Nucleotide Change:** c.2472C>T**Amino Acid Change:** p.V824V**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6255G-1**Price:** \$120.00**Gene Name:**PDGFRA**Mutation Id:** COSM736**Nucleotide Change:** c.2525A>T**Amino Acid Change:** p.D842V**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard**

Catalog: ASE-6256G-1
Price: \$120.00
Gene Name:PDGFRA
Mutation Id: COSM737
Nucleotide Change: c.2524_2535del12
Amino Acid Change: p.I843_D846delIMHD
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6257G-1
Price: \$120.00
Gene Name:PDGFRA
Mutation Id: COSM12400
Nucleotide Change: c.2527_2538del12
Amino Acid Change: p.I843_D846delIMHD
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6058G-1
Price: \$120.00
Gene Name:PIK3CA
Mutation Id: COSM746
Nucleotide Change: c.263G>A
Amino Acid Change: p.R88Q
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6056G-1
Price: \$120.00
Gene Name:PIK3CA
Mutation Id: COSM12458
Nucleotide Change: c.1634A>C
Amino Acid Change: p.E545A
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6060G-1
Price: \$120.00
Gene Name:PIK3CA
Mutation Id: COSM757
Nucleotide Change: c.1258T>C
Amino Acid Change: p.C420R
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6053G-1

Price: \$120.00
Gene Name: PIK3CA
Mutation Id: COSM760
Nucleotide Change: c.1624G>A
Amino Acid Change: p.E542K
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6054G-1
Price: \$120.00
Gene Name: PIK3CA
Mutation Id: COSM763
Nucleotide Change: c.1633G>A
Amino Acid Change: p.E545K
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6055G-1
Price: \$120.00
Gene Name: PIK3CA
Mutation Id: COSM764
Nucleotide Change: c.1634A>G
Amino Acid Change: p.E545G
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6057G-1
Price: \$120.00
Gene Name: PIK3CA
Mutation Id: COSM766
Nucleotide Change: c.1636C>A
Amino Acid Change: p.Q546K
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6051G-1
Price: \$120.00
Gene Name: PIK3CA
Mutation Id: COSM775
Nucleotide Change: c.3140A>G
Amino Acid Change: p.H1047R
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6070G-1
Price: \$120.00

Gene Name:NRAS
Mutation Id: COSM574
Nucleotide Change: c.38G>T
Amino Acid Change: p.G13V
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6243G-1
Price: \$120.00
Gene Name:PIK3R1
Mutation Id: COSM1069619
Nucleotide Change: c.1718T>C
Amino Acid Change: p.L573P
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6244G-1
Price: \$120.00
Gene Name:PIK3R1
Mutation Id: COSM85927
Nucleotide Change: c.1721G>T
Amino Acid Change: p.R574I
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6245G-1
Price: \$120.00
Gene Name:PIK3R1
Mutation Id: COSM1069623
Nucleotide Change: c.1721_1722insA
Amino Acid Change: p.T576fs*26
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6246G-1
Price: \$120.00
Gene Name:PIK3R1
Mutation Id: COSM35737
Nucleotide Change: c.1727_1729delCGA
Amino Acid Change: p.T576del
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6425G-1
Price: \$120.00
Gene Name:PIK3R1

Mutation Id: COSM85885
Nucleotide Change: c.1709_1735del27
Amino Acid Change: p.L570_D578del
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6129G-1
Price: \$120.00
Gene Name:PTEN
Mutation Id: COSM5152
Nucleotide Change: c.388C>T
Amino Acid Change: p.R130*
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6130G-1
Price: \$120.00
Gene Name:PTEN
Mutation Id: COSM5216
Nucleotide Change: c.389G>T
Amino Acid Change: p.R130L
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6131G-1
Price: \$120.00
Gene Name:PTEN
Mutation Id: COSM5089
Nucleotide Change: c.517C>T
Amino Acid Change: p.R173C
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6132G-1
Price: \$120.00
Gene Name:PTEN
Mutation Id: COSM5039
Nucleotide Change: c.518G>A
Amino Acid Change: p.R173H
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6134G-1
Price: \$120.00
Gene Name:PTEN
Mutation Id: COSM4391544

Nucleotide Change: c.377C>G

Amino Acid Change: p.A126G

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6127G-1

Price: \$120.00

Gene Name:PTEN

Mutation Id: COSM5219

Nucleotide Change: c.388C>G

Amino Acid Change: p.R130G

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6128G-1

Price: \$120.00

Gene Name:PTEN

Mutation Id: COSM5033

Nucleotide Change: c.389G>A

Amino Acid Change: p.R130Q

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6133G-1

Price: \$120.00

Gene Name:PTEN

Mutation Id: COSM5154

Nucleotide Change: c.697C>T

Amino Acid Change: p.R233*

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6123G-1

Price: \$120.00

Gene Name:RB1

Mutation Id: COSM892

Nucleotide Change: c.1735C>T

Amino Acid Change: p.R579*

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6125G-1

Price: \$120.00

Gene Name:RB1

Mutation Id: COSM878

Nucleotide Change: c.751C>T

Amino Acid Change: p.R251*

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6315G-1

Price: \$120.00

Gene Name:RET

Mutation Id: COSM968

Nucleotide Change: c.1894_1899delGAGCTG

Amino Acid Change: p.E632_L633del

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard RKO WT

Catalog: ASO-6051-1

Price: \$120.00

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6322G-1

Price: \$120.00

Gene Name:ROS1

Mutation Id: COSM1697823

Nucleotide Change: c.4924G>A

Amino Acid Change: p.E1642K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6319G-1

Price: \$120.00

Gene Name:SMAD4

Mutation Id: COSM14049

Nucleotide Change: c.1067C>T

Amino Acid Change: p.P356L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6320G-1

Price: \$120.00

Gene Name:SMAD4

Mutation Id: COSM1226726

Nucleotide Change: c.1066C>T

Amino Acid Change: p.P356S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6372G-1

Price: \$120.00

Gene Name:STK11
Mutation Id: COSM21360
Nucleotide Change: c.1062C>G
Amino Acid Change: p.F354L
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6375G-1
Price: \$120.00
Gene Name:STK11
Mutation Id: COSM20943
Nucleotide Change: c.508C>T
Amino Acid Change: p.Q170*
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6376G-1
Price: \$120.00
Gene Name:STK11
Mutation Id: COSM21354
Nucleotide Change: c.511G>A
Amino Acid Change: p.G171S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6091G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM10662
Nucleotide Change: c.743G>A
Amino Acid Change: p.R248Q
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6082G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM10648
Nucleotide Change: c.524G>A
Amino Acid Change: p.R175H
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6083G-1
Price: \$120.00
Gene Name:TP53

Mutation Id: COSM10870
Nucleotide Change: c.523C>G
Amino Acid Change: p.R175G
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6084G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM10718
Nucleotide Change: c.524G>T
Amino Acid Change: p.R175L
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6094G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM10817
Nucleotide Change: c.747G>T
Amino Acid Change: p.R249S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6095G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM43629
Nucleotide Change: c.745A>T
Amino Acid Change: p.R249W
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6096G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM43871
Nucleotide Change: c.746G>T
Amino Acid Change: p.R249M
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6097G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM10668

Nucleotide Change: c.745A>G

Amino Acid Change: p.R249G

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6191G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM10690

Nucleotide Change: c.473G>A

Amino Acid Change: p.R158H

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6192G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM10714

Nucleotide Change: c.473G>T

Amino Acid Change: p.R158L

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6195G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM10670

Nucleotide Change: c.469G>T

Amino Acid Change: p.V157F

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6196G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM43903

Nucleotide Change: c.470T>G

Amino Acid Change: p.V157G

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6198G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM10889

Nucleotide Change: c.536A>G

Amino Acid Change: p.H179R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6085G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM10758

Nucleotide Change: c.659A>G

Amino Acid Change: p.Y220C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6105G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM13747

Nucleotide Change: c.1146delA

Amino Acid Change: p.K382fs*>12

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6379G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM10808

Nucleotide Change: c.488A>G

Amino Acid Change: p.Y163C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6380G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM44623

Nucleotide Change: c.487T>A

Amino Acid Change: p.Y163N

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6381G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM43846

Nucleotide Change: c.487T>C

Amino Acid Change: p.Y163H

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6382G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM43559

Nucleotide Change: c.517G>T

Amino Acid Change: p.V173L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6383G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM11084

Nucleotide Change: c.517G>A

Amino Acid Change: p.V173M

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6387G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM43947

Nucleotide Change: c.614A>G

Amino Acid Change: p.Y205C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6388G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM43844

Nucleotide Change: c.613T>G

Amino Acid Change: p.Y205D

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6389G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM10654

Nucleotide Change: c.637C>T

Amino Acid Change: p.R213*

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6392G-1**Price:** \$120.00**Gene Name:**TP53**Mutation Id:** COSM43687**Nucleotide Change:** c.641A>G**Amino Acid Change:** p.H214R**Frequency:** Heterozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6393G-1**Price:** \$120.00**Gene Name:**TP53**Mutation Id:** COSM10725**Nucleotide Change:** c.701A>G**Amino Acid Change:** p.Y234C**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6394G-1**Price:** \$120.00**Gene Name:**TP53**Mutation Id:** COSM11152**Nucleotide Change:** c.700T>C**Amino Acid Change:** p.Y234H**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6399G-1**Price:** \$120.00**Gene Name:**TP53**Mutation Id:** COSM10810**Nucleotide Change:** c.725G>T**Amino Acid Change:** p.C242F**Frequency:** Heterozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6436G-1**Price:** \$120.00**Gene Name:**TP53**Mutation Id:** COSM45666**Nucleotide Change:** c.810_811insN**Amino Acid Change:** p.E271fs*35**Frequency:** Heterozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6514G-1**Price:** \$120.00**Gene Name:**TP53**Mutation Id:** COSM45975**Nucleotide Change:** c.703delA**Amino Acid Change:** p.N235fs*12**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6515G-1**Price:** \$120.00**Gene Name:**TP53**Mutation Id:** COSM44543**Nucleotide Change:** c.464_465insN**Amino Acid Change:** p.R156fs*25**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6516G-1**Price:** \$120.00**Gene Name:**TP53**Mutation Id:** COSM43546**Nucleotide Change:** c.516_517insN**Amino Acid Change:** p.V173fs*8**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6517G-1**Price:** \$120.00**Gene Name:**TP53**Mutation Id:** COSM44400**Nucleotide Change:** c.702_703insN**Amino Acid Change:** p.N235fs*5**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6518G-1**Price:** \$120.00**Gene Name:**TP53**Mutation Id:** COSM1318430**Nucleotide Change:** c.516delT**Amino Acid Change:** p.V173fs*1**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard**

Catalog: ASE-6519G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM44361
Nucleotide Change: c.533_534insN
Amino Acid Change: p.H178fs*3
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6520G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM43570
Nucleotide Change: c.529_546del18
Amino Acid Change: p.P177_C182delPHHERC
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6521G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM1324785
Nucleotide Change: c.530_535delCCCACC
Amino Acid Change: p.P177_H178delPH
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6522G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM46406
Nucleotide Change: c.643delA
Amino Acid Change: p.S215fs*32
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6523G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM44887
Nucleotide Change: c.644delG
Amino Acid Change: p.S215fs*32
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6525G-1

Price: \$120.00
Gene Name:TP53
Mutation Id: COSM69179
Nucleotide Change: c.560-1_583del25
Amino Acid Change: p.?
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6526G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM5982134
Nucleotide Change: c.613_614insT
Amino Acid Change: p.Y205fs*4
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6527G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM1716966
Nucleotide Change: c.613_614insC
Amino Acid Change: p.Y205fs*4
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6529G-1
Price: \$120.00
Gene Name:CTNNB1
Mutation Id: COSM27310
Nucleotide Change: c.139A>T
Amino Acid Change: p.S47C
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6530G-1
Price: \$120.00
Gene Name:CTNNB1
Mutation Id: COSM1423011
Nucleotide Change: c.132T>C
Amino Acid Change: p.P44P
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6532G-1
Price: \$120.00

Gene Name:TP53
Mutation Id: COSM45847
Nucleotide Change: c.574_575delCA
Amino Acid Change: p.Q192fs*16
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6533G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM4735408
Nucleotide Change: c.571_581del11
Amino Acid Change: p.P191fs*14
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6194G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM11087
Nucleotide Change: c.472C>G
Amino Acid Change: p.R158G
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6193G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM43848
Nucleotide Change: c.472C>T
Amino Acid Change: p.R158C
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6086G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM10646
Nucleotide Change: c.725G>A
Amino Acid Change: p.C242Y
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6087G-1
Price: \$120.00
Gene Name:TP53

Mutation Id: COSM6932
Nucleotide Change: c.733G>A
Amino Acid Change: p.G245S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6090G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM11081
Nucleotide Change: c.733G>T
Amino Acid Change: p.G245C
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6088G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM43606
Nucleotide Change: c.734G>A
Amino Acid Change: p.G245D
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6089G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM11196
Nucleotide Change: c.734G>T
Amino Acid Change: p.G245V
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6092G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM10656
Nucleotide Change: c.742C>T
Amino Acid Change: p.R248W
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6093G-1
Price: \$120.00
Gene Name:TP53
Mutation Id: COSM6549

Nucleotide Change: c.743G>T

Amino Acid Change: p.R248L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6099G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM10659

Nucleotide Change: c.817C>T

Amino Acid Change: p.R273C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6098G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM10660

Nucleotide Change: c.818G>A

Amino Acid Change: p.R273H

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6101G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM11232

Nucleotide Change: c.842A>G

Amino Acid Change: p.D281G

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6103G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM10992

Nucleotide Change: c.844C>G

Amino Acid Change: p.R282G

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6104G-1

Price: \$120.00

Gene Name:TP53

Mutation Id: COSM44338

Nucleotide Change: c.845G>A

Amino Acid Change: p.R282Q

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6262G-05

Price: \$70.00

Gene Name:ABL1

Mutation Id: COSM12578

Nucleotide Change: c.1052T>C

Amino Acid Change: p.M351T

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6061G-05

Price: \$70.00

Gene Name:AKT1

Mutation Id: COSM33765

Nucleotide Change: c.49G>A

Amino Acid Change: p.E17K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6308G-05

Price: \$70.00

Gene Name:ALK

Mutation Id: COSM28059

Nucleotide Change: c.3521T>G

Amino Acid Change: p.F1174C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6309G-05

Price: \$70.00

Gene Name:ALK

Mutation Id: COSM28056

Nucleotide Change: c.3824G>A

Amino Acid Change: p.R1275Q

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6310G-05

Price: \$70.00

Gene Name:ALK

Mutation Id: COSM28060

Nucleotide Change: c.3824G>T

Amino Acid Change: p.R1275L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6311G-05

Price: \$70.00

Gene Name:ALK

Mutation Id: COSM99137

Nucleotide Change: c.3586C>A

Amino Acid Change: p.L1196M

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6146G-05

Price: \$70.00

Gene Name:APC

Mutation Id: COSM18764

Nucleotide Change: c.3921_3925delAAAAG

Amino Acid Change: p.E1309fs*4

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6148G-05

Price: \$70.00

Gene Name:APC

Mutation Id: COSM13864

Nucleotide Change: c.4393_4394delAG

Amino Acid Change: p.S1465fs*3

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6144G-05

Price: \$70.00

Gene Name:APC

Mutation Id: COSM13127

Nucleotide Change: c.4348C>T

Amino Acid Change: p.R1450*

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6412G-05

Price: \$70.00

Gene Name:APC

Mutation Id: COSM41607

Nucleotide Change: c.4090_4091insA

Amino Acid Change: p.S1364fs*11

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6435G-05**Price:** \$70.00**Gene Name:**APC**Mutation Id:** COSM18761**Nucleotide Change:** c.4090delA**Amino Acid Change:** p.S1364fs*51**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6150G-05**Price:** \$70.00**Gene Name:**APC**Mutation Id:** COSM13134**Nucleotide Change:** c.637C>T**Amino Acid Change:** p.R213***Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6424G-05**Price:** \$70.00**Gene Name:**ATM**Mutation Id:** COSM1235448**Nucleotide Change:** c.1000_1001insA**Amino Acid Change:** p.S334fs*5**Frequency:** Heterozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASO-6047-05**Price:** \$70.00**Gene Name:**BRAF**Mutation Id:** COSM476**Nucleotide Change:** 1799T>A**Amino Acid Change:** V600E**Frequency:** Heterozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASO-6044-05**Price:** \$70.00**Gene Name:**BRAF**Mutation Id:** COSM473**Nucleotide Change:** 1798_1799GT>AA**Amino Acid Change:** V600K**Frequency:** Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASO-6045-05**Price:** \$70.00**Gene Name:**BRAF**Mutation Id:** COSM474**Nucleotide Change:** 1798_1799GT>AG**Amino Acid Change:** V600R**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6049-05**Price:** \$70.00**Gene Name:**BRAF**Mutation Id:** COSM1130**Nucleotide Change:** 1798G>A**Amino Acid Change:** V600M**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6046-05**Price:** \$70.00**Gene Name:**BRAF**Mutation Id:** COSM475**Nucleotide Change:** 1799_1800TG>AA**Amino Acid Change:** V600E**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6048-05**Price:** \$70.00**Gene Name:**BRAF**Mutation Id:** COSM477**Nucleotide Change:** 1799_1800TG>AT**Amino Acid Change:** V600D**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6050-05**Price:** \$70.00**Gene Name:**BRAF**Mutation Id:** COSM6137**Nucleotide Change:** 1799T>G**Amino Acid Change:** V600G**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard**

Catalog: ASE-6108G-05
Price: \$70.00
Gene Name:BRCA1
Mutation Id: COSM35891
Nucleotide Change: c.5263_5264insC(5382insC)
Amino Acid Change: p.Q1756fs*74
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6107G-05
Price: \$70.00
Gene Name:BRCA1
Mutation Id: COSM3190163
Nucleotide Change: c.68_69delAG
Amino Acid Change: p.E23fs*17
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6106G-05
Price: \$70.00
Gene Name:BRCA1
Mutation Id: COSM78883
Nucleotide Change: c.5503C>T
Amino Acid Change: p.R1835*
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6113G-05
Price: \$70.00
Gene Name:BRCA1
Mutation Id: rs80357997
Nucleotide Change: c.5137delG
Amino Acid Change: p.Val1713Terfs
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6114G-05
Price: \$70.00
Gene Name:BRCA1
Mutation Id: ClinVar55412
Nucleotide Change: c.5138T>C
Amino Acid Change: p.V1713A
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6115G-05

Price: \$70.00

Gene Name:BRCA1

Mutation Id: COSM148277

Nucleotide Change: c.3548A>G

Amino Acid Change: p.K1183R

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6116G-05

Price: \$70.00

Gene Name:BRCA1

Mutation Id: COSM148278

Nucleotide Change: c.2612C>T

Amino Acid Change: p.P871L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6112G-05

Price: \$70.00

Gene Name:BRCA1

Mutation Id: OMIM: 113705.0025

Nucleotide Change: c.3481_3491del11

Amino Acid Change: p.E1161Fs

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6119G-05

Price: \$70.00

Gene Name:BRCA2

Mutation Id: COSM1738242

Nucleotide Change: c.7934delG

Amino Acid Change: p.R2645fs*3

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6337G-05

Price: \$70.00

Gene Name:BRCA2

Mutation Id: COSM6048457

Nucleotide Change: c.5067delA

Amino Acid Change: p.K1691fs*15

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6513G-05

Price: \$70.00

Gene Name:BRCA2
Mutation Id: COSM5078975
Nucleotide Change: c.5066_5067insA
Amino Acid Change: p.W1692fs*3
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6294G-05
Price: \$70.00
Gene Name:CDH1
Mutation Id: COSM972800
Nucleotide Change: c.2195G>A
Amino Acid Change: p.R732Q
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6295G-05
Price: \$70.00
Gene Name:CDX2
Mutation Id: COSM1366182
Nucleotide Change: c.916delG
Amino Acid Change: p.V306fs*2
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6137G-05
Price: \$70.00
Gene Name:CTNNB1
Mutation Id: COSM5663
Nucleotide Change: c.133T>C
Amino Acid Change: p.S45P
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6138G-05
Price: \$70.00
Gene Name:CTNNB1
Mutation Id: COSM5662
Nucleotide Change: c.110C>T
Amino Acid Change: p.S37F
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6142G-05
Price: \$70.00
Gene Name:CTNNB1

Mutation Id: COSM5676
Nucleotide Change: c.122C>T
Amino Acid Change: p.T41I
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6524G-05
Price: \$70.00
Gene Name:CTNNB1
Mutation Id: COSM6132
Nucleotide Change: c.136_141delCTGAGT
Amino Acid Change: p.L46_S47del
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6528G-05
Price: \$70.00
Gene Name:CTNNB1
Mutation Id: COSM5990184
Nucleotide Change: c.116_138del23
Amino Acid Change: p.A39fs*3
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6143G-05
Price: \$70.00
Gene Name:CTNNB1
Mutation Id: COSM6128
Nucleotide Change: c.133_135delTCT
Amino Acid Change: p.S45del
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6052G-05
Price: \$70.00
Gene Name:PIK3CA
Mutation Id: COSM776
Nucleotide Change: c.3140A>T
Amino Acid Change: p.H1047L
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6140G-05
Price: \$70.00
Gene Name:CTNNB1
Mutation Id: COSM5673

Nucleotide Change: c.98C>A

Amino Acid Change: p.S33Y

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6139G-05

Price: \$70.00

Gene Name:CTNNB1

Mutation Id: COSM5677

Nucleotide Change: c.98C>G

Amino Acid Change: p.S33C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6008-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM12384

Nucleotide Change: 2237_2255>T

Amino Acid Change: E746_S752>V

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6003-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM6255

Nucleotide Change: 2239_2256del18

Amino Acid Change: L747_S752del

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6029-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM6240

Nucleotide Change: c.2369C>T

Amino Acid Change: p.T790M

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6183G-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM13193

Nucleotide Change: c.2477A>G

Amino Acid Change: p.N826S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6343G-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM12988

Nucleotide Change: c.2125G>A

Amino Acid Change: p.E709K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6346G-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM236670

Nucleotide Change: c.1476C>A

Amino Acid Change: p.S492R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6000-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM6252

Nucleotide Change: 2155G>A

Amino Acid Change: G719S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6001-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM6253

Nucleotide Change: 2155G>T

Amino Acid Change: G719C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6002-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM6239

Nucleotide Change: 2156G>C

Amino Acid Change: G719A

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6015-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM26038

Nucleotide Change: 2233_2247del15

Amino Acid Change: K745_E749delKELRE

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6024-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM13550

Nucleotide Change: 2235_2248>AATTC

Amino Acid Change: E746_A750>IP

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6016-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM6223

Nucleotide Change: 2235_2249del15

Amino Acid Change: E746_A750delIELREA

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6014-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM13551

Nucleotide Change: 2235_2252>AAT

Amino Acid Change: E746_T751>I

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6017-05

Price: \$70.00

Gene Name:EGFR

Mutation Id: COSM6225

Nucleotide Change: 2236_2250del15

Amino Acid Change: E746_A750delIELREA

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASO-6009-05**Price:** \$70.00**Gene Name:**EGFR**Mutation Id:** COSM12728**Nucleotide Change:** 2236_2253del18**Amino Acid Change:** E746_T751del**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASO-6010-05**Price:** \$70.00**Gene Name:**EGFR**Mutation Id:** COSM12678**Nucleotide Change:** 2237_2251del15**Amino Acid Change:** E746_T751>A**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASO-6013-05**Price:** \$70.00**Gene Name:**EGFR**Mutation Id:** COSM12386**Nucleotide Change:** 2237_2252>T**Amino Acid Change:** E746_T751>V**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASO-6007-05**Price:** \$70.00**Gene Name:**EGFR**Mutation Id:** COSM12367**Nucleotide Change:** 2237_2254del18**Amino Acid Change:** E746_S752>A**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASO-6022-05**Price:** \$70.00**Gene Name:**EGFR**Mutation Id:** COSM12422**Nucleotide Change:** 2238_2248>GC**Amino Acid Change:** L747_A750>P**Frequency:** Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASO-6020-05**Price:** \$70.00**Gene Name:**EGFR**Mutation Id:** COSM12419**Nucleotide Change:** 2238_2252>GCA**Amino Acid Change:** L747_T751>Q**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6005-05**Price:** \$70.00**Gene Name:**EGFR**Mutation Id:** COSM6220**Nucleotide Change:** 2238_2255del18**Amino Acid Change:** E746_S752>D**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6023-05**Price:** \$70.00**Gene Name:**EGFR**Mutation Id:** COSM6218**Nucleotide Change:** 2239_2247del9**Amino Acid Change:** L747_E749delLRE**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6021-05**Price:** \$70.00**Gene Name:**EGFR**Mutation Id:** COSM12382**Nucleotide Change:** 2239_2248TTAAGAGAAG>C**Amino Acid Change:** L747_A750>P**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASO-6018-05**Price:** \$70.00**Gene Name:**EGFR**Mutation Id:** COSM12383**Nucleotide Change:** 2239_2251>C**Amino Acid Change:** L747_T751>P**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard**

Catalog: ASO-6011-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM6254
Nucleotide Change: 2239_2253del15
Amino Acid Change: L747_T751delLREAT
Frequency: ASE-8011 (To be discontinued)

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6006-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM12387
Nucleotide Change: 2239_2258>CA
Amino Acid Change: L747_P753>Q
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6019-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM6210
Nucleotide Change: 2240_2251del12
Amino Acid Change: L747_T751>S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6012-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM12369 (COSM6254)
Nucleotide Change: 2240_2254del15
Amino Acid Change: L747_T751del
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6004-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM12370
Nucleotide Change: 2240_2257del18
Amino Acid Change: L747_P753>S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6025-05

Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM6241
Nucleotide Change: 2303G>T
Amino Acid Change: S768I
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6026-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM12376
Nucleotide Change: 2307_2308insGCCAGCGTG
Amino Acid Change: V769_D770insASV
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6027-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM12378
Nucleotide Change: 2310_2311insGGT
Amino Acid Change: D770_N771insG
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6028-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM12377
Nucleotide Change: 2319_2320insCAC
Amino Acid Change: H773_V774insH
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6030-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM6224
Nucleotide Change: 2573T>G
Amino Acid Change: L858R
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6031-05
Price: \$70.00

Gene Name:EGFR
Mutation Id: COSM6213
Nucleotide Change: 2582T>A
Amino Acid Change: L861Q
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6182G-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM18422
Nucleotide Change: c.2360A>G
Amino Acid Change: p.Q787R
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6177G-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM6493937/6240
Nucleotide Change: c.2389T>A/c.2369C>T
Amino Acid Change: p.C797S/T790M
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6185G-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM85894
Nucleotide Change: c.2527G>A
Amino Acid Change: p.V843I
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6176G-05
Price: \$70.00
Gene Name:EGFR
Mutation Id: COSM5945664/6240
Nucleotide Change: c.2390G>C/c.2369C>T
Amino Acid Change: p.C797S/T790M
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6175G-05
Price: \$70.00
Gene Name:ERBB2

Mutation Id: COSM12553
Nucleotide Change: c.2326_2327insTGT
Amino Acid Change: p.G776>VC
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6171G-05
Price: \$70.00
Gene Name:ESR1
Mutation Id: COSM1074635
Nucleotide Change: c.1609T>A
Amino Acid Change: p.Y537N
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6170G-05
Price: \$70.00
Gene Name:ESR1
Mutation Id: COSM1074639
Nucleotide Change: c.1610A>C
Amino Acid Change: p.Y537S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6172G-05
Price: \$70.00
Gene Name:ESR1
Mutation Id: COSM1074637
Nucleotide Change: c.1610A>G
Amino Acid Change: p.Y537C
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6169G-05
Price: \$70.00
Gene Name:ESR1
Mutation Id: COSM94250
Nucleotide Change: c.1613A>G
Amino Acid Change: p.D538G
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6354G-05
Price: \$70.00
Gene Name:FBXW7
Mutation Id: COSM22971

Nucleotide Change: c.832C>T

Amino Acid Change: p.R278*

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6355G-05

Price: \$70.00

Gene Name:FBXW7

Mutation Id: COSM22964

Nucleotide Change: c.1099C>T

Amino Acid Change: p.R367*

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6247G-05

Price: \$70.00

Gene Name:FGFR2

Mutation Id: COSM36903

Nucleotide Change: c.755C>G

Amino Acid Change: p.S252W

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6250G-05

Price: \$70.00

Gene Name:FGFR2

Mutation Id: COSM36904

Nucleotide Change: c.1124A>G

Amino Acid Change: p.Y375C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6251G-05

Price: \$70.00

Gene Name:FGFR2

Mutation Id: COSM36906

Nucleotide Change: c.1144T>C

Amino Acid Change: p.C382R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6208G-05

Price: \$70.00

Gene Name:FGFR3

Mutation Id: COSM714

Nucleotide Change: c.742C>T

Amino Acid Change: p.R248C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6209G-05

Price: \$70.00

Gene Name:FGFR3

Mutation Id: COSM718

Nucleotide Change: c.1118A>G

Amino Acid Change: p.Y373C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6211G-05

Price: \$70.00

Gene Name:FGFR3

Mutation Id: COSM17461

Nucleotide Change: c.1111A>T

Amino Acid Change: p.S371C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6212G-05

Price: \$70.00

Gene Name:FGFR3

Mutation Id: COSM24842

Nucleotide Change: c.1138G>A

Amino Acid Change: p.G380R

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6154G-05

Price: \$70.00

Gene Name:FLT3

Mutation Id: COSM785

Nucleotide Change: c.2503G>C

Amino Acid Change: p.D835H

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6157G-05

Price: \$70.00

Gene Name:FLT3

Mutation Id: COSM19836

Nucleotide Change: c.2508_2510delCAT

Amino Acid Change: p.I836del

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6279G-05

Price: \$70.00

Gene Name:GNAQ

Mutation Id: COSM28758

Nucleotide Change: c.626A>C

Amino Acid Change: p.Q209P

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6281G-05

Price: \$70.00

Gene Name:GNAQ

Mutation Id: COSM28760

Nucleotide Change: c.626A>G

Amino Acid Change: p.Q209R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6278G-05

Price: \$70.00

Gene Name:GNAQ

Mutation Id: COSM28757

Nucleotide Change: c.626A>T

Amino Acid Change: p.Q209L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6285G-05

Price: \$70.00

Gene Name:GNAS

Mutation Id: COSM27899

Nucleotide Change: c.601C>A

Amino Acid Change: p.R201S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6286G-05

Price: \$70.00

Gene Name:GNAS

Mutation Id: COSM27895

Nucleotide Change: c.602G>A

Amino Acid Change: p.R201H

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6468G-05**Price:** \$70.00**Gene Name:**GNAS**Mutation Id:** rs1060500285**Nucleotide Change:** c.686A>G**Amino Acid Change:** p.D229G**Frequency:** Heterozygous***Onco-Ref™ Genomic DNA Reference Standard HCT116 WT*****Catalog:** ASO-6052-05**Price:** \$70.00***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6076G-05**Price:** \$70.00**Gene Name:**HRAS**Mutation Id:** COSM483**Nucleotide Change:** c.35G>T**Amino Acid Change:** p.G12V**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6077G-05**Price:** \$70.00**Gene Name:**HRAS**Mutation Id:** COSM484**Nucleotide Change:** c.35G>A**Amino Acid Change:** p.G12D**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6361G-05**Price:** \$70.00**Gene Name:**HRAS**Mutation Id:** COSM502**Nucleotide Change:** c.183G>T**Amino Acid Change:** p.Q61H**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6079G-05**Price:** \$70.00**Gene Name:**HRAS**Mutation Id:** COSM496

Nucleotide Change: c.181C>A

Amino Acid Change: p.Q61K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6078G-05

Price: \$70.00

Gene Name:HRAS

Mutation Id: COSM486

Nucleotide Change: c.37G>C

Amino Acid Change: p.G13R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6080G-05

Price: \$70.00

Gene Name:HRAS

Mutation Id: COSM499

Nucleotide Change: c.182A>G

Amino Acid Change: p.Q61R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6218G-05

Price: \$70.00

Gene Name:IDH1

Mutation Id: COSM28746

Nucleotide Change: c.395G>A

Amino Acid Change: p.R132H

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6226G-05

Price: \$70.00

Gene Name:IDH2

Mutation Id: COSM41877

Nucleotide Change: c.418C>T

Amino Acid Change: p.R140W

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6225G-05

Price: \$70.00

Gene Name:IDH2

Mutation Id: COSM41590

Nucleotide Change: c.419G>A

Amino Acid Change: p.R140Q

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6227G-05

Price: \$70.00

Gene Name:IDH2

Mutation Id: COSM41875

Nucleotide Change: c.419G>T

Amino Acid Change: p.R140L

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6232G-05

Price: \$70.00

Gene Name:IDH2

Mutation Id: COSM33731

Nucleotide Change: c.514A>G

Amino Acid Change: p.R172G

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6231G-05

Price: \$70.00

Gene Name:IDH2

Mutation Id: COSM34039

Nucleotide Change: c.514A>T

Amino Acid Change: p.R172W

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6228G-05

Price: \$70.00

Gene Name:IDH2

Mutation Id: COSM33733

Nucleotide Change: c.515G>A

Amino Acid Change: p.R172K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6229G-05

Price: \$70.00

Gene Name:IDH2

Mutation Id: COSM33732

Nucleotide Change: c.515G>T

Amino Acid Change: p.R172M

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6230G-05

Price: \$70.00

Gene Name:IDH2

Mutation Id: COSM34090

Nucleotide Change: c.516G>T

Amino Acid Change: p.R172S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6120G-05

Price: \$70.00

Gene Name:JAK2

Mutation Id: COSM12600

Nucleotide Change: c.1849G>T

Amino Acid Change: p.V617F

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6121G-05

Price: \$70.00

Gene Name:JAK2

Mutation Id: COSM4391514

Nucleotide Change: c.1843G>T

Amino Acid Change: p.V615L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6122G-05

Price: \$70.00

Gene Name:JAK2

Mutation Id: COSM29117

Nucleotide Change: c.1849G>A

Amino Acid Change: p.V617I

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6160G-05

Price: \$70.00

Gene Name:KIT

Mutation Id: COSM1226

Nucleotide Change: c.1670_1675delGGAAGG

Amino Acid Change: p.W557_V559>F

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6162G-05**Price:** \$70.00**Gene Name:**KIT**Mutation Id:** COSM1314**Nucleotide Change:** c.2447A>T**Amino Acid Change:** p.D816V**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6163G-05**Price:** \$70.00**Gene Name:**KIT**Mutation Id:** COSM1310**Nucleotide Change:** c.2446G>T**Amino Acid Change:** p.D816Y**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6164G-05**Price:** \$70.00**Gene Name:**KIT**Mutation Id:** COSM1311**Nucleotide Change:** c.2446G>C**Amino Acid Change:** p.D816H**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6166G-05**Price:** \$70.00**Gene Name:**KIT**Mutation Id:** COSM1255**Nucleotide Change:** c.1676T>C**Amino Acid Change:** p.V559A**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6167G-05**Price:** \$70.00**Gene Name:**KIT**Mutation Id:** COSM1257**Nucleotide Change:** c.1679T>A**Amino Acid Change:** p.V560D**Frequency:** Heterozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6159G-05**Price:** \$70.00**Gene Name:**KIT**Mutation Id:** COSM1221**Nucleotide Change:** c.1669T>G**Amino Acid Change:** p.W557G**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6165G-05**Price:** \$70.00**Gene Name:**KIT**Mutation Id:** COSM1252**Nucleotide Change:** c.1676T>A**Amino Acid Change:** p.V559D**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6410G-05**Price:** \$70.00**Gene Name:**KIT**Mutation Id:** COSM21979**Nucleotide Change:** c.2446_2447GA>AT**Amino Acid Change:** p.D816I**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6411G-05**Price:** \$70.00**Gene Name:**KIT**Mutation Id:** COSM1254**Nucleotide Change:** c.1676_1684del9**Amino Acid Change:** p.V559_E561del**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6423G-05**Price:** \$70.00**Gene Name:**KIT**Mutation Id:** COSM1256**Nucleotide Change:** c.1678_1680delGTT**Amino Acid Change:** p.V560del**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard**

Catalog: ASE-6531G-05

Price: \$70.00

Gene Name:KIT

Mutation Id: COSM1247

Nucleotide Change: c.1675_1677delGTT

Amino Acid Change: p.V559del

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6038-05

Price: \$70.00

Gene Name:KRAS

Mutation Id: COSM527

Nucleotide Change: 37G>T

Amino Acid Change: G13C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6062G-05

Price: \$70.00

Gene Name:KRAS

Mutation Id: COSM554

Nucleotide Change: c.183A>C

Amino Acid Change: p.Q61H

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6033-05

Price: \$70.00

Gene Name:KRAS

Mutation Id: COSM517

Nucleotide Change: 34G>A

Amino Acid Change: G12S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6034-05

Price: \$70.00

Gene Name:KRAS

Mutation Id: COSM518

Nucleotide Change: 34G>C

Amino Acid Change: G12R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6032-05

Price: \$70.00

Gene Name:KRAS

Mutation Id: COSM516

Nucleotide Change: 34G>T

Amino Acid Change: G12C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6036-05

Price: \$70.00

Gene Name:KRAS

Mutation Id: COSM521

Nucleotide Change: 35G>A

Amino Acid Change: G12D

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6037-05

Price: \$70.00

Gene Name:KRAS

Mutation Id: COSM522

Nucleotide Change: 35G>C

Amino Acid Change: G12A

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6035-05

Price: \$70.00

Gene Name:KRAS

Mutation Id: COSM520

Nucleotide Change: 35G>T

Amino Acid Change: G12V

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6039-05

Price: \$70.00

Gene Name:KRAS

Mutation Id: COSM528

Nucleotide Change: 37G>A

Amino Acid Change: G13S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6040-05

Price: \$70.00

Gene Name: KRAS
Mutation Id: COSM529
Nucleotide Change: 37G>C
Amino Acid Change: G13R
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6041-05
Price: \$70.00
Gene Name: KRAS
Mutation Id: COSM532
Nucleotide Change: 38G>A
Amino Acid Change: G13D
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6042-05
Price: \$70.00
Gene Name: KRAS
Mutation Id: COSM533
Nucleotide Change: 38G>C
Amino Acid Change: G13A
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASO-6043-05
Price: \$70.00
Gene Name: KRAS
Mutation Id: COSM534
Nucleotide Change: 38G>T
Amino Acid Change: G13V
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6201G-05
Price: \$70.00
Gene Name: MAP2K1
Mutation Id: COSM235614
Nucleotide Change: c.370C>T
Amino Acid Change: p.P124S
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6204G-05
Price: \$70.00
Gene Name: MAP2K1

Mutation Id: COSM232755
Nucleotide Change: c.607G>A
Amino Acid Change: p.E203K
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6202G-05
Price: \$70.00
Gene Name:MAP2K1
Mutation Id: COSM1315861
Nucleotide Change: c.371C>T
Amino Acid Change: p.P124L
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6205G-05
Price: \$70.00
Gene Name:MAP2K1
Mutation Id: COSM1235478
Nucleotide Change: c.171G>T
Amino Acid Change: p.K57N
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6299G-05
Price: \$70.00
Gene Name:MET
Mutation Id: COSM707
Nucleotide Change: c.3029C>T
Amino Acid Change: p.T1010I
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6300G-05
Price: \$70.00
Gene Name:MET
Mutation Id: COSM699
Nucleotide Change: c.3743A>G
Amino Acid Change: p.Y1248C
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6303G-05
Price: \$70.00
Gene Name:MET
Mutation Id: COSM706

Nucleotide Change: c.504G>T

Amino Acid Change: p.E168D

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6296G-05

Price: \$70.00

Gene Name:MLH1

Mutation Id: COSM2985326

Nucleotide Change: c.967C>A

Amino Acid Change: p.L323M

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6297G-05

Price: \$70.00

Gene Name:MLH1

Mutation Id: COSM26085

Nucleotide Change: c.1151T>A

Amino Acid Change: p.V384D

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6271G-05

Price: \$70.00

Gene Name:NOTCH1

Mutation Id: COSM12772

Nucleotide Change: c.4721T>C

Amino Acid Change: p.L1574P

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6272G-05

Price: \$70.00

Gene Name:NOTCH1

Mutation Id: COSM13047

Nucleotide Change: c.4732_4734delGTG

Amino Acid Change: p.V1578delV

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6273G-05

Price: \$70.00

Gene Name:NOTCH1

Mutation Id: COSM13042

Nucleotide Change: c.4778T>C

Amino Acid Change: p.L1593P

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6275G-05

Price: \$70.00

Gene Name:NOTCH1

Mutation Id: COSM12771

Nucleotide Change: c.4799T>C

Amino Acid Change: p.L1600P

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6277G-05

Price: \$70.00

Gene Name:NOTCH1

Mutation Id: COSM33747

Nucleotide Change: c.5094C>T

Amino Acid Change: p.D1698D

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6068G-05

Price: \$70.00

Gene Name:NRAS

Mutation Id: COSM573

Nucleotide Change: c.38G>A

Amino Acid Change: p.G13D

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6366G-05

Price: \$70.00

Gene Name:NRAS

Mutation Id: COSM585

Nucleotide Change: c.183A>T

Amino Acid Change: p.Q61H

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6368G-05

Price: \$70.00

Gene Name:NRAS

Mutation Id: COSM566

Nucleotide Change: c.35G>T

Amino Acid Change: p.G12V

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6072G-05

Price: \$70.00

Gene Name:NRAS

Mutation Id: COSM580

Nucleotide Change: c.181C>A

Amino Acid Change: p.Q61K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6071G-05

Price: \$70.00

Gene Name:NRAS

Mutation Id: COSM584

Nucleotide Change: c.182A>G

Amino Acid Change: p.Q61R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6073G-05

Price: \$70.00

Gene Name:NRAS

Mutation Id: COSM583

Nucleotide Change: c.182A>T

Amino Acid Change: p.Q61L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6200G-05

Price: \$70.00

Gene Name:NRAS

Mutation Id: COSM5044298

Nucleotide Change: c.183_183delA

Amino Acid Change: p.E62fs*6

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6066G-05

Price: \$70.00

Gene Name:NRAS

Mutation Id: COSM563

Nucleotide Change: c.34G>A

Amino Acid Change: p.G12S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6067G-05**Price:** \$70.00**Gene Name:**NRAS**Mutation Id:** COSM562**Nucleotide Change:** c.34G>T**Amino Acid Change:** p.G12C**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6065G-05**Price:** \$70.00**Gene Name:**NRAS**Mutation Id:** COSM564**Nucleotide Change:** c.35G>A**Amino Acid Change:** p.G12D**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6069G-05**Price:** \$70.00**Gene Name:**NRAS**Mutation Id:** COSM569**Nucleotide Change:** c.37G>C**Amino Acid Change:** p.G13R**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6254G-05**Price:** \$70.00**Gene Name:**PDGFRA**Mutation Id:** COSM22413**Nucleotide Change:** c.2472C>T**Amino Acid Change:** p.V824V**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6255G-05**Price:** \$70.00**Gene Name:**PDGFRA**Mutation Id:** COSM736**Nucleotide Change:** c.2525A>T**Amino Acid Change:** p.D842V**Frequency:** Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6256G-05**Price:** \$70.00**Gene Name:**PDGFRA**Mutation Id:** COSM737**Nucleotide Change:** c.2524_2535del12**Amino Acid Change:** p.I843_D846delIMHD**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6257G-05**Price:** \$70.00**Gene Name:**PDGFRA**Mutation Id:** COSM12400**Nucleotide Change:** c.2527_2538del12**Amino Acid Change:** p.I843_D846delIMHD**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6058G-05**Price:** \$70.00**Gene Name:**PIK3CA**Mutation Id:** COSM746**Nucleotide Change:** c.263G>A**Amino Acid Change:** p.R88Q**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6056G-05**Price:** \$70.00**Gene Name:**PIK3CA**Mutation Id:** COSM12458**Nucleotide Change:** c.1634A>C**Amino Acid Change:** p.E545A**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6060G-05**Price:** \$70.00**Gene Name:**PIK3CA**Mutation Id:** COSM757**Nucleotide Change:** c.1258T>C**Amino Acid Change:** p.C420R**Frequency:** Homozygous**Onco-Ref™ Genomic DNA Reference Standard**

Catalog: ASE-6053G-05
Price: \$70.00
Gene Name:PIK3CA
Mutation Id: COSM760
Nucleotide Change: c.1624G>A
Amino Acid Change: p.E542K
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6054G-05
Price: \$70.00
Gene Name:PIK3CA
Mutation Id: COSM763
Nucleotide Change: c.1633G>A
Amino Acid Change: p.E545K
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6055G-05
Price: \$70.00
Gene Name:PIK3CA
Mutation Id: COSM764
Nucleotide Change: c.1634A>G
Amino Acid Change: p.E545G
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6057G-05
Price: \$70.00
Gene Name:PIK3CA
Mutation Id: COSM766
Nucleotide Change: c.1636C>A
Amino Acid Change: p.Q546K
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6051G-05
Price: \$70.00
Gene Name:PIK3CA
Mutation Id: COSM775
Nucleotide Change: c.3140A>G
Amino Acid Change: p.H1047R
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6070G-05

Price: \$70.00

Gene Name:NRAS

Mutation Id: COSM574

Nucleotide Change: c.38G>T

Amino Acid Change: p.G13V

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6243G-05

Price: \$70.00

Gene Name:PIK3R1

Mutation Id: COSM1069619

Nucleotide Change: c.1718T>C

Amino Acid Change: p.L573P

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6244G-05

Price: \$70.00

Gene Name:PIK3R1

Mutation Id: COSM85927

Nucleotide Change: c.1721G>T

Amino Acid Change: p.R574I

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6245G-05

Price: \$70.00

Gene Name:PIK3R1

Mutation Id: COSM1069623

Nucleotide Change: c.1721_1722insA

Amino Acid Change: p.T576fs*26

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6246G-05

Price: \$70.00

Gene Name:PIK3R1

Mutation Id: COSM35737

Nucleotide Change: c.1727_1729delCGA

Amino Acid Change: p.T576del

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6425G-05

Price: \$70.00

Gene Name:PIK3R1
Mutation Id: COSM85885
Nucleotide Change: c.1709_1735del27
Amino Acid Change: p.L570_D578del
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6129G-05
Price: \$70.00
Gene Name:PTEN
Mutation Id: COSM5152
Nucleotide Change: c.388C>T
Amino Acid Change: p.R130*
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6130G-05
Price: \$70.00
Gene Name:PTEN
Mutation Id: COSM5216
Nucleotide Change: c.389G>T
Amino Acid Change: p.R130L
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6131G-05
Price: \$70.00
Gene Name:PTEN
Mutation Id: COSM5089
Nucleotide Change: c.517C>T
Amino Acid Change: p.R173C
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6132G-05
Price: \$70.00
Gene Name:PTEN
Mutation Id: COSM5039
Nucleotide Change: c.518G>A
Amino Acid Change: p.R173H
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6134G-05
Price: \$70.00
Gene Name:PTEN

Mutation Id: COSM4391544
Nucleotide Change: c.377C>G
Amino Acid Change: p.A126G
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6127G-05

Price: \$70.00

Gene Name:PTEN

Mutation Id: COSM5219

Nucleotide Change: c.388C>G

Amino Acid Change: p.R130G

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6128G-05

Price: \$70.00

Gene Name:PTEN

Mutation Id: COSM5033

Nucleotide Change: c.389G>A

Amino Acid Change: p.R130Q

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6133G-05

Price: \$70.00

Gene Name:PTEN

Mutation Id: COSM5154

Nucleotide Change: c.697C>T

Amino Acid Change: p.R233*

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6123G-05

Price: \$70.00

Gene Name:RB1

Mutation Id: COSM892

Nucleotide Change: c.1735C>T

Amino Acid Change: p.R579*

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6125G-05

Price: \$70.00

Gene Name:RB1

Mutation Id: COSM878

Nucleotide Change: c.751C>T

Amino Acid Change: p.R251*

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6315G-05

Price: \$70.00

Gene Name:RET

Mutation Id: COSM968

Nucleotide Change: c.1894_1899delGAGCTG

Amino Acid Change: p.E632_L633del

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard RKO WT

Catalog: ASO-6051-05

Price: \$70.00

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6322G-05

Price: \$70.00

Gene Name:ROS1

Mutation Id: COSM1697823

Nucleotide Change: c.4924G>A

Amino Acid Change: p.E1642K

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6319G-05

Price: \$70.00

Gene Name:SMAD4

Mutation Id: COSM14049

Nucleotide Change: c.1067C>T

Amino Acid Change: p.P356L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6320G-05

Price: \$70.00

Gene Name:SMAD4

Mutation Id: COSM1226726

Nucleotide Change: c.1066C>T

Amino Acid Change: p.P356S

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6372G-05

Price: \$70.00
Gene Name:STK11
Mutation Id: COSM21360
Nucleotide Change: c.1062C>G
Amino Acid Change: p.F354L
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6375G-05
Price: \$70.00
Gene Name:STK11
Mutation Id: COSM20943
Nucleotide Change: c.508C>T
Amino Acid Change: p.Q170*
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6376G-05
Price: \$70.00
Gene Name:STK11
Mutation Id: COSM21354
Nucleotide Change: c.511G>A
Amino Acid Change: p.G171S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6091G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10662
Nucleotide Change: c.743G>A
Amino Acid Change: p.R248Q
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6082G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10648
Nucleotide Change: c.524G>A
Amino Acid Change: p.R175H
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6083G-05
Price: \$70.00

Gene Name:TP53
Mutation Id: COSM10870
Nucleotide Change: c.523C>G
Amino Acid Change: p.R175G
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6084G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10718
Nucleotide Change: c.524G>T
Amino Acid Change: p.R175L
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6094G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10817
Nucleotide Change: c.747G>T
Amino Acid Change: p.R249S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6095G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM43629
Nucleotide Change: c.745A>T
Amino Acid Change: p.R249W
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6096G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM43871
Nucleotide Change: c.746G>T
Amino Acid Change: p.R249M
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6097G-05
Price: \$70.00
Gene Name:TP53

Mutation Id: COSM10668
Nucleotide Change: c.745A>G
Amino Acid Change: p.R249G
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6191G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10690
Nucleotide Change: c.473G>A
Amino Acid Change: p.R158H
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6192G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10714
Nucleotide Change: c.473G>T
Amino Acid Change: p.R158L
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6195G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10670
Nucleotide Change: c.469G>T
Amino Acid Change: p.V157F
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6196G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM43903
Nucleotide Change: c.470T>G
Amino Acid Change: p.V157G
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6198G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10889

Nucleotide Change: c.536A>G

Amino Acid Change: p.H179R

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6085G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM10758

Nucleotide Change: c.659A>G

Amino Acid Change: p.Y220C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6105G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM13747

Nucleotide Change: c.1146delA

Amino Acid Change: p.K382fs*>12

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6379G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM10808

Nucleotide Change: c.488A>G

Amino Acid Change: p.Y163C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6380G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM44623

Nucleotide Change: c.487T>A

Amino Acid Change: p.Y163N

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6381G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM43846

Nucleotide Change: c.487T>C

Amino Acid Change: p.Y163H

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6382G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM43559

Nucleotide Change: c.517G>T

Amino Acid Change: p.V173L

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6383G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM11084

Nucleotide Change: c.517G>A

Amino Acid Change: p.V173M

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6387G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM43947

Nucleotide Change: c.614A>G

Amino Acid Change: p.Y205C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6388G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM43844

Nucleotide Change: c.613T>G

Amino Acid Change: p.Y205D

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6389G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM10654

Nucleotide Change: c.637C>T

Amino Acid Change: p.R213*

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6392G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM43687

Nucleotide Change: c.641A>G

Amino Acid Change: p.H214R

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6393G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM10725

Nucleotide Change: c.701A>G

Amino Acid Change: p.Y234C

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6394G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM11152

Nucleotide Change: c.700T>C

Amino Acid Change: p.Y234H

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6399G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM10810

Nucleotide Change: c.725G>T

Amino Acid Change: p.C242F

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6436G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM45666

Nucleotide Change: c.810_811insN

Amino Acid Change: p.E271fs*35

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6514G-05**Price:** \$70.00**Gene Name:**TP53**Mutation Id:** COSM45975**Nucleotide Change:** c.703delA**Amino Acid Change:** p.N235fs*12**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6515G-05**Price:** \$70.00**Gene Name:**TP53**Mutation Id:** COSM44543**Nucleotide Change:** c.464_465insN**Amino Acid Change:** p.R156fs*25**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6516G-05**Price:** \$70.00**Gene Name:**TP53**Mutation Id:** COSM43546**Nucleotide Change:** c.516_517insN**Amino Acid Change:** p.V173fs*8**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6517G-05**Price:** \$70.00**Gene Name:**TP53**Mutation Id:** COSM44400**Nucleotide Change:** c.702_703insN**Amino Acid Change:** p.N235fs*5**Frequency:** Homozygous***Onco-Ref™ Genomic DNA Reference Standard*****Catalog:** ASE-6518G-05**Price:** \$70.00**Gene Name:**TP53**Mutation Id:** COSM1318430**Nucleotide Change:** c.516delT**Amino Acid Change:** p.V173fs*1**Frequency:** Homozygous

Onco-Ref™ Genomic DNA Reference Standard**Catalog:** ASE-6519G-05**Price:** \$70.00**Gene Name:**TP53**Mutation Id:** COSM44361**Nucleotide Change:** c.533_534insN**Amino Acid Change:** p.H178fs*3**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6520G-05**Price:** \$70.00**Gene Name:**TP53**Mutation Id:** COSM43570**Nucleotide Change:** c.529_546del18**Amino Acid Change:** p.P177_C182delPHHERC**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6521G-05**Price:** \$70.00**Gene Name:**TP53**Mutation Id:** COSM1324785**Nucleotide Change:** c.530_535delCCCACC**Amino Acid Change:** p.P177_H178delPH**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6522G-05**Price:** \$70.00**Gene Name:**TP53**Mutation Id:** COSM46406**Nucleotide Change:** c.643delA**Amino Acid Change:** p.S215fs*32**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard****Catalog:** ASE-6523G-05**Price:** \$70.00**Gene Name:**TP53**Mutation Id:** COSM44887**Nucleotide Change:** c.644delG**Amino Acid Change:** p.S215fs*32**Frequency:** Heterozygous**Onco-Ref™ Genomic DNA Reference Standard**

Catalog: ASE-6525G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM69179
Nucleotide Change: c.560-1_583del25
Amino Acid Change: p.?
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6526G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM5982134
Nucleotide Change: c.613_614insT
Amino Acid Change: p.Y205fs*4
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6527G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM1716966
Nucleotide Change: c.613_614insC
Amino Acid Change: p.Y205fs*4
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6529G-05
Price: \$70.00
Gene Name:CTNNB1
Mutation Id: COSM27310
Nucleotide Change: c.139A>T
Amino Acid Change: p.S47C
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6530G-05
Price: \$70.00
Gene Name:CTNNB1
Mutation Id: COSM1423011
Nucleotide Change: c.132T>C
Amino Acid Change: p.P44P
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6532G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM45847

Nucleotide Change: c.574_575delCA

Amino Acid Change: p.Q192fs*16

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6533G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM4735408

Nucleotide Change: c.571_581del11

Amino Acid Change: p.P191fs*14

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6194G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM11087

Nucleotide Change: c.472C>G

Amino Acid Change: p.R158G

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6193G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM43848

Nucleotide Change: c.472C>T

Amino Acid Change: p.R158C

Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6086G-05

Price: \$70.00

Gene Name:TP53

Mutation Id: COSM10646

Nucleotide Change: c.725G>A

Amino Acid Change: p.C242Y

Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6087G-05

Price: \$70.00

Gene Name:TP53
Mutation Id: COSM6932
Nucleotide Change: c.733G>A
Amino Acid Change: p.G245S
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6090G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM11081
Nucleotide Change: c.733G>T
Amino Acid Change: p.G245C
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6088G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM43606
Nucleotide Change: c.734G>A
Amino Acid Change: p.G245D
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6089G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM11196
Nucleotide Change: c.734G>T
Amino Acid Change: p.G245V
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6092G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10656
Nucleotide Change: c.742C>T
Amino Acid Change: p.R248W
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6093G-05
Price: \$70.00
Gene Name:TP53

Mutation Id: COSM6549
Nucleotide Change: c.743G>T
Amino Acid Change: p.R248L
Frequency: Homozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6099G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10659
Nucleotide Change: c.817C>T
Amino Acid Change: p.R273C
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6098G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10660
Nucleotide Change: c.818G>A
Amino Acid Change: p.R273H
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6101G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM11232
Nucleotide Change: c.842A>G
Amino Acid Change: p.D281G
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6103G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM10992
Nucleotide Change: c.844C>G
Amino Acid Change: p.R282G
Frequency: Heterozygous

Onco-Ref™ Genomic DNA Reference Standard

Catalog: ASE-6104G-05
Price: \$70.00
Gene Name:TP53
Mutation Id: COSM44338

Nucleotide Change: c.845G>A

Amino Acid Change: p.R282Q

Frequency: Heterozygous

Quan-Plex™ NGS Reference Standard Genomic DNA

Catalog: ARF-1001G-1

Price: \$200.00

Variants: 11