

EGFR G719S Cell line Engineering Summary

Genotype	rs #	Cosmic ID	Position		
			Chromosome	Gene	Transcript
EGFR G719S	rs28929495	COSM6252	g.55241707G>A	g.159983G>A	c.2155G>A

Protein	Base change	Context	AA change
p.Gly719Ser	GGC ⇒ AGC	CAAAGTGCTG[G>A]GCTCCGGTGC	G [Gly] ⇒ S [Ser]

Reference sequence: Ensembl transcript: EGFR-001 ENST00000275493

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gtgtttctaccaacttctgtcaagctctgtagagaaggcgtacatttgtccttccaaatgagctggcaagtgccg
tgtcctggcaccacaagcccatgccgtggctgctgggtcccctgctgggccatgtctggcactgctttccagcatg
gtgagggctgaggtgacccttgtctctgtgttcttgtccccccagCTTGTGGAGCCTTACACCCAGTGGAGA
AGCTCCCAACCAAGCTCTCTTGAGGATCTTGAAGGAAACTGAATTCAAAAAGATCAAAGTGCTG (G>A) GCTCCG
GTGCGTTCGGCACGGTGTATAAGgtaagggtccctggcacaggcctctgggctggggccgagggcctctcatggtc
tgggtggggagcccagagtccttgcaagctgtatatttccatcatctactttactcttggtttactgagtgtttg
ggaaactccagtgtttttcccaagttattgagaggaaatcttttataaccacagtaatcagtggtcctgtgagac
caattcacagaccaaggcatttttatgaaagggcca
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Lowercase **blue** sequence indicates intron

Uppercase **BLACK** sequence indicates exon coding sequence

][indicates the site of engineering

(G>A) indicates the G719S mutation

Large **bold** indicates the G719S codon

Contact Horizon Diagnostics

Please note that primers designed upstream or across the engineering site will have a reduced efficiency and your assay may fail. Please contact us at technical@horizondx.com if you have any questions.

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