

EGFR G719A Cell line Engineering Summary

Genotype	rs #	Cosmic ID	Position			
			Chromosome Number	Chromosome	Gene	Transcript
EGFR G719A	rs121913428	COSM6239	7p12	g.55241708G>C (GRCh37) g.55174015G>C (GRCh38)	g.159984G>C	c.2156G>C

Protein	Base change	Context	AA change
p.Gly719Ala	GGC ⇒ GCC	CAAAGTGCTG (G>C) CTCCGGTGC	G [Gly] ⇒ A [Ala]

Reference sequence: Ensembl transcript: EGFR-001 ENST00000275493

aggcgtggaaacagacatagaaattgtggttggtgaaaggtagctgttcagttaaagaacacctgtatcagagcc
 tgtgttctaccaacttctgtcaagctctgtagagaaggcgtacatttgccttccaaatgagctggcaagtgcc
 gtgtcctggcaccca] [agcccatgccgtggctgctgggtccccctgctgggccaatgtctggcactgctttccag
 catgggtgagggctgaggtgacccttgtctctgtgttcttgtccccccagCTTGTGGAGCCTTTACACCCAGTG
 GAGAAGCTCCCAACCAAGCTCTCTTGAGGATCTTGAAGGAAACTGAATTCAAAAAGATCAAAGTGCTG (**G>C**)
 CTCCGGTGCCTTCGGCACGGTGTATAAGgtaaggtccctggcacaggcctctgggctgggcccagggcctctca
 tggctctgggtggggagcccagagtccttgaagctgtatattccatcatctactttactcttggtttactgagt
 gtttgggaaactccagtgttttcccaagttattgagaggaatctttata

Lowercase **blue** sequence indicates intron

Uppercase **BLACK** sequence indicates exon coding sequence

[[indicates the site of engineering

(G>C) indicates the G719A mutation

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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