

EGFR (L861Q/+) Cell line Engineering Summary

Genotype	rs #	Cosmic ID	Position			
			Chromosome Number	Chromosome	Gene	Transcript
EGFR (L861Q/+)	rs121913444	COSM6213	7p12	g.55259524T>A (GRCh37) g.55191831T>A (GRCh38)	g.177800T>A	c.2582T>A

Protein	Base change	Context	AA change
p.Leu861Gln	CTG ⇒ CAG	CTGGCCAAAC (T>A) GCTGGGTGCG	L [Leu] ⇒ Q [Gln]

Reference sequence: Ensembl transcript: EGFR-001 ENST00000275493

gataaaccacatgcaggaaggtcagcctggcaagtccagtaagttcaagcccaggtctcaactgggcagcagagc
tctgctcttctttgtcctcatatacagcagcctctggacttaaaactgaggaactggatggagaaaagttaat
ggcagcagcgggttacatcttctttcatgcgcctttccattctttggatcagtagtcactaacgttcgc] [cag
ccataagtcctcgacgtggagaggctcagagcctggcatgaacatgacctgaattcggatgcagagcttcttcc
catgatgatctgtccctcacagcagggctcttctctgtttcagGGCATGAACTACTTGGAGGACCGTCGCTTGGTG
CACCGCGACCTGGCAGCCAGGAACGTACTGGTGAAAACACCGCAGCATGTCAAGATCACAGATTTTGGGCTGGCC
AAAC (T>A) GCTGGGTGCGGAAGAGAAAAGAATACCATGCAGAAGGAGGCAAAgtaaggaggtggctttaggtc
agccagcattttcctgacaccagggaccaggctgccttcccactagctgtattgtttaacacatgcaggggagga
tgctctccagacattctgggtgagctcgcagcagctgctgctggcagctgggtccagccagggctcctggtagt
gtgagccagagctgcttgggaacagtacttgctgggacagtgaatgaggatggtatcccagggtgatcattagc
aatgttaggtttcagctctcctcgcaggatataaagtccccttcaatagcg

Lowercase blue sequence indicates intron

Uppercase BLACK sequence indicates exon coding sequence

]] indicates the site of engineering

(T>A) indicates the L861Q 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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