

EGFR (T790M/+) Cell line Engineering Summary

Genotype	rs #	Cosmic ID	Position			
			Chromosome Number	Chromosome	Gene	Transcript
EGFR (T790M/+)	rs121434569	COSM6240	7p12	g.55249071C>T (GRCh37) g.55181378C>T (GRCh38)	g.167347C>T	c.2369C>T

Protein	Base change	Context	AA change
p.Thr790Met	ACG ⇒ ATG	CAGCTCATCA (C>T) GCAGCTCATG	T [Thr] ⇒ M [Met]

Reference sequence: Ensembl transcript: EGFR-001 ENST00000275493

ccgactcctcctttatccaatgtgctcctcatggccactggtgctggcctctctgtcatggggaatccccagatgaccccaggaggggcccctctcccactgcatctgtcacttcacagccctgcgtaaactgcccctgtgctaggtctttgacggcacagcttttccctccatgagtagctatgttgaac] [tcaagatcgattcatgcgtcttcacctggaaggggtccatgtgcccctccttctgcccaccatgcgaagccacactgacgtgcctctccctccctccagGAAGCC TACGTGATGGCCAGCGTGGACAACCCCCACGTGTGCCGCTGCTGGGCATCTGCCTCACCTCCACCGTGCAGCTCATCA (**C<T**) GCAGCTCATGCCCTTCGGCTGCCTCCTGGACTATGTCCGGGAACACAAAGACAATATTGGCTCC CAGTACCTGCTCAACTGGTGTGTGCAGATCGCAAAGgtaatcaggggaagggagatacggggaggggagataagga gccaggatcctcacatgcggtctgcgctcctgggatagcaagagtttgccatggggatagtgtgtgcgtgcatg cagcacacacacattcctttatgttgattcaatcaagttgatcttctgtgcacaaatcagtgctgtcccatc tgcattgtgaaactctcatcaatcagctaccttgaagaatttctctttattgagtgctcagtggtctgatg tctctgttcttatttctctggaattccttctgtgaatactgtggtgattgtagtgaggaaggaatattgcttccc

Lowercase **blue** sequence indicates intron

Uppercase **BLACK** sequence indicates exon coding sequence

]] indicates the site of engineering

(C>T) indicates the T790M 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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