

Product datasheet for **SC216236**

EGFR (NM_005228) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	EGFR (NM_005228) Human 3' UTR Clone
Symbol:	EGFR
Synonyms:	ERBB; ERBB1; ERRP; HER1; mENA; NISBD2; PIG61
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005228
Insert Size:	1742 bp



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Insert Sequence: >SC216236 3' UTR clone of NM_005228
 The sequence shown below is from the reference sequence of NM_005228. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

GCGCCACAAGCAGTGAATTTATTGGAGCAT**TGA**CCACGGAGGATAGTATGAGCCCTAAAAATCCAGACTC
 TTTTCGATACCCAGGACCAAGCCACAGCAGGTCCTCCATCCCAACAGCCATGCCCGCATTAGCTCTTAGAC
 CCACAGACTGGTTTTGCAACGTTTACACCGACTAGCCAGGAAGTACTTCCACCTCGGGCACATTTTGGGA
 AGTTGCATTCTTTGCTTCAAAGTGTGAAGCATTACAGAAACGCATCCAGCAAGAATATTGTCCTTT
 GAGCAGAAATTTATCTTTCAAAGAGGTATTTTGAAGAAAAAAGTATATGTGAGGATTTTTATTGA
 TTGGGGATCTTGGAGTTTTTTCATTGTCGCTATTGATTTTTACTTCAATGGGCTCTTCCAACAAGGAAGAA
 GCTTGCTGGTAGCACTTGTACCCTGAGTTCATCCAGGCCCACTGTGAGCAAGGAGCACAAGCCACAAG
 TCTTCCAGAGGATGCTTGATTCCAGTGGTCTGCTTCAAGGCTTCCACTGCAAAAACACTAAAGATCCAAG
 AAGGCCTTCATGGCCCCAGCAGGCCGGATCGGTACTGTATCAAGTCATGGCAGGTACAGTAGGATAAGCC
 ACTCTGTCCCTTCTGGGCAAAGAAGAAACGGAGGGGATGGAATCTTCTTAGACTTACTTTTTGAAAA
 ATGTCCCCACGGTACTTACTCCCCACTGATGGACCAGTGGTTTCCAGTCATGAGCGTTAGACTGACTTGT
 TTGCTTCCATTCCATTGTTTTGAAACTCAGTATGCTGCCCTGTCTTGTGTCATGAAATCAGCAAGAG
 AGGATGACACATCAAATAAATACTCGGATTCAGCCCACATTGGATTCATCAGCATTTGGACCAATAGCC
 CACAGCTGAGAATGTGGAATACCTAAGGATAGCACCCGCTTTTGTCTCGCAAAAACGTATCTCCTAATTT
 GAGGCTCAGATGAAATGCATCAGTCCCTTTGGGGCATAGATCAGAAGACTACAAAAATGAAGCTGCTGTG
 AAATCTCTTTAGCCATCACCCCAACCCCAAAATAGTTTGTGTTACTTATGGAAGATAGTTTTCTCC
 TTTTACTTCACTTCAAAAAGCTTTTTACTCAAAGAGTATATGTTCCCTCCAGGTCAGCTGCCCAAAACCC
 CCTCTTACGCTTTGTACACAAAAAGTGTCTCTGCCTTGAGTCATCTATTCAAGCACTTACAGCTCTGG
 CCACAACAGGGCATTTTACAGGTGCGAATGACAGTAGCATTATGAGTAGTGTGGAATTCAGGTAGTAAAT
 ATGAAACTAGGGTTTGAATGATAATGCTTTCACAACATTTGCAGATGTTTTAGAAGGAAAAAAGTTCC
 TTCCTAAAATAATTTCTACAATTGGAAGATTGGAAGATTGAGTAGTATAGGAGCCACCTTTTTTCT
 AATCTGTGTGTGCCCTGTAACCTGACTGGTAAACAGCAGTCTTTGTAACAGTGTTTAAACTCTCCTA
 GTCAATATCCACCCATCCAATTTATCAAGGAAGAAATGGTTCAGAAAATATTTTTCAGCCTACAGTTATG
 TTCAGTCACACACATACAAAATGTTCTTTTGTCTTTTAAAGTAATTTTGAAGTCCAGATCAGTCAGA
 GCCCTACAGCATTGTTAAGAAAGTATTTGATTTTTGTCTCAATGAAAATAAACTATATTC

ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_005228.3](#)

Summary:

The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). [provided by RefSeq, Jul 2020]

Locus ID:

1956