

Product datasheet for **SC109188**

EEF1D (NM_001960) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EEF1D (NM_001960) Human Untagged Clone
Tag:	Tag Free
Symbol:	EEF1D
Synonyms:	EF-1D; EF1D; FP1047
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109188 sequence for NM_001960 edited (data generated by NextGen Sequencing)

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ATGGCTACAACTTCTAGCACATGAGAAGATCTGGTTCGACAAGTTCAAATATGACGAC
GCAGAAAAGGAGATTCTACGAGCAGATGAACGGGCCTGTGGCAGGKGCCTCCCGCCAGGAG
AACGGCGCCAGCGTGATCCTCCGTGACATTGCGAGAGCCAGAGAGAACATCCAGAAATCC
CTGGCTGGAAGCTCAGGCCCGGGGCTCCAGCGGCACCAGCGGAGACCACGGTGAGCTC
GTCGTCCGGATTGCCAGTCTGGAAGTGGAGAACCAGAGTCTGCGTGGCGTGGTACAGGAG
CTGCAGCAGGCCATCTCCAAGCTGGAGGCCCGGCTGAACGTGCTGGAGAAGAGCTCGCCT
GGCCACCGGGCCACGGCCCCACAGACCCAGCACGTATCTCCCATGCGCCAAGTGGAGCCC
CCAGCCAAGAAGCCAGCCACACCAGCAGAGGATGACGAGGATGATGACATTGACCTGTTT
GGCAGTGACAATGAGGAGGAGGACAAGGAGGCGGCACAGCTGCGGGAGGAGCGGCTACGG
CAGTACGCGGAGAAGAAGCCAAGAAGCCTGCACTGGTGGCCAAGTCTCCATCCTGCTG
GATGTCAAGCCTTGGGATGATGAGACGGACATGGCCCAGCTGGAGGCCTGTGTGCCTCT
ATCCAGCTGGACGGGCTGGTCTGGGGGGCTTCCAAGCTGGTGGCCGTGGGCTACGGTATC
CGGAAGCTACAGATTGAGTGTGGTGGAGGACGACAAGGTGGGGACAGACTTGCTGGAG
GAGGAGATCACCAAGTTTGAGGAGCACGTGCAGAGTGTGATATCGCAGCTTTCAACAAG
ATCTGA
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Clone variation with respect to NM_001960.4
105 t=>k



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001960 unedited</p> <pre> NGGGCACCATTTGTATACGACTCCTATAGGCGGCCCGCAATTCGCACGAGGGCCGAGGG TGCCCGGCGGGGCCGAGAGACCGGCGGGGCCCAACATCTTAGGGAACAAGCGGGCCGG GCTGCGACGGGCCGATGGGGAGGCCCTCTGCCTTGCCCTACTGTTACTTCCTGCAGAA GGATGCAGAGGCCCTGGCTCAGCAAGCCTGCCTACGACAGCGCCGAGTGCCGCCACCA CGCTGCCGAGGCCCTGCGTGTGGCTGGTGCCTCGAAGCTGCCTCCCTGTCTCACCGACC CGGTCCCTCGGTCTGGCTGTCCGTGTCCAGCCTGAGACCCAACAGAAAAATGGCTACAAA CTTCTAGCACATGAGAAGATCTGGTTCGACAAGTTCAAATATGACGACGCAGAAAGGAG ATTCTACGAGCAGATGAACGGGCCTGTGGCAGGTGCCTCCCGCCAGGAGAACGGCCCGAG CGTGATCCTCCGTGACATTGCGAGAGCCAGAGAGAATCCAGAAATCCCTGGCTGGAAG CTCAGGCCCGGGCCCTCCAGCGGCACCAGCGGAGACCACGGTGAGCTCGTGTCCGGAT TGCCAGTCTGGAAGTGGAGAACCAGAGTCTGCGTGGCGTGGTACAGGAGCTGCAGAGGC CATCTCCAAGCTGGAGGCCCGCTGAACGTGCTGGAGAAGAGCTGCCTGGCCACCGGGC CACGGCCCCACAGACCCCGCACGTATCTCCATGCGCCAGTGGAGCCCCAGCCAAGAA GCCAGCCACACCANCANAGNATGACGAAGATGATGACCATTGACCTGTTTGCCAGTGACC ATGGAGGAGGAGGACCAGGAAGCGGCCAGCTGCCGGAAGAAAGCGCTACCGCCAGTACC CGAAGAAA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001960 unedited</p> <pre> GACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTGCCGGCTCAGTCTTAATCGGGGAGGGCCTTACGCACGCGGCACGTACACACAC TTAGGCTTCAAATCTTGGTGAAGCTGCGATATCGACACTTTCACGTGCTCCTCAAAC TGGGGATCTCCTCCTCCAGCAAGTCTGTCCCCACCTTGGCGTCTCCACCACACTGAA TCTGTAGCTTCCGATACCGGAACCCACGGGCACCAGCTTGAAGCCCCCAAACCAACC CGTCCAGCTGGATAAAGCGCACACAGGCCTCCAGCTGGGCCATGTCCGTCTCATATCCC AAGGGTTGACATCCAGCAGGATGGAGGACTTGGCCACCAGTGCAGGCTTTTTGGCCTTTT TCTCCGCTACTGGCGTAACCGCTCCTCCCGCAGCTGGGCCGCTCCTTGGCCTCCTCCT CATTGGCACTGGCAAACAGGGCAATGGCATCATCTCGGCATCCTCTGGTGGGGGGGCTG GCTTCTTGGCTGGGGGCTCCACTTGGCGCATGGGAGATACCTGCTGGGTCTGTGGGGCCG TGGCCCCGTGGCAAGCGAGCTTCTCCAGCAGTTCAGCCGGCCCTCAGCTTGGAGA TGGGCTGCTGCAACTTCTGTACCACGCCACGCACTCTGGTTCTTCACTTCCAGACTGG CAATCCCGACGACGAGCTCCCCGGTCTCCCTGGTGCCGCTGGAGGGCCCGGGGCTCG AGCCTCCAACCAAGGATTTCTGGGAAGGTCTTCTGCTCTCGCCATGTTCCCGGAGGA TCAAGCTTGGCGCCGCTCCTGGCGGAAGCCACCTGGCCAAGCCCGTTATTTGGTTC GGAAAACCTCCTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001960
Insert Size:	1360 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001960.2](#), [NP_001951.2](#)

RefSeq Size: 994 bp

RefSeq ORF: 846 bp

Locus ID: 1936

UniProt ID: [P29692](#)

Cytogenetics: 8q24.3

Domains: EF1BD

Gene Summary: This gene encodes a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit, delta, functions as guanine nucleotide exchange factor. It is reported that following HIV-1 infection, this subunit interacts with HIV-1 Tat. This interaction results in repression of translation of host cell proteins and enhanced translation of viral proteins. Several alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. Related pseudogenes have been defined on chromosomes 1, 6, 7, 9, 11, 13, 17, 19.[provided by RefSeq, Aug 2010]
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Variants 2, 5, 6, and 9 encode the same isoform (2).