

## Product datasheet for **SC320760**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001960.2  
 CCGCGTCCGCCGATTCTCTCCTTGGTCGCCGCGTCCTTGGCTGGCGTGAGGCCAAAGC  
 AAAATGAGGAGCGGGAAGGCCTCTGCACCCTGGAGACCGTGTGGGAAGACAAGCACAAG  
 TATGAGGAGGCCGAGCGGCGCTTCTACGAACACGAGGCCACACAGGCGGCCGCTCCGCC  
 CAGCAGCTGCCAGCCGAGGGGCCAGCCATGAATGGGCCCGCCAGGACGACCCTGAGGAC  
 GCTGATGAGGCGGAAGCCCTGACGGCGGCAGCAGGCGTGATCCCAGGAAGAGCCAGGAC  
 AGCAGGAAGCCCTGCAGAAAAAGAGGAAGCGCTCCCCAAGAGCGGGCTCGGCCCCGCG  
 GACCTGGCCCTCTGGGCTCTCGGCCGAACGTGTGTGGCTGGACAAGTCACTTTTCGAC  
 CAGGCAGAGAGCTCTACCGCCAGAAGCTGGCAGATGTGGCTGCCAGGACGCTGGCCT  
 CCTGCCTTGGCCCTTGGGTCTCTGCACCATGGAAACCAGGTGGCTGCCACCACGTG  
 ACCTGGGGGATCTGGGTCAACAAGTCTCCTTCGACCAGGCTGAGCGGGCCTTCGTGGAG  
 TGGTCTCAGGCCCTGTTGTGGCCCCGAGGGCAGCCGACGGCAGGGGACTCCCAACACA  
 GGCCAGCAGGTGGCCGTCGCCGACCTGGCCACCAGCCAGCCACCGGTCAATGGCCAG  
 CCCCCGCTGGGCAGCCTGCAGGCACTGGTTCGGGAGGTGTGGCTGGAGAAGCCCCGAT  
 GATGCAGCCGAGAGGGGCTTCTACGAGGCCCTGTTTGACGGCCATCCCCAGGGAAGGTG  
 CGCTGCAAGAGCGAGCCGGCCTGGCCGAGGCTGCCCGGGGGCCGAGAGACCGGCGG  
 GGCCGCAACATCTTAGGGAACAAGCGGGCCGGGCTGCGACGGCCGATGGGGAGGCCCC  
 TCTGCCTTGCCTACTGTTACTTCTGCAGAAGGATGCAGAGGCCCTGGCTCAGCAAG  
 CCTGCCTACGACAGCGCCGAGTGGCCACCACGCTGCCGAGGCCCTGCGTGTGGCTGG  
 TGCCTCGAAGCTGCCTCCTGTCTACCGACCCGGTCTCGGTCTGGCCTGTCCGTGTCC  
 AGCCTGAGACCAACAGAAAAATGGCTACAACTTCTAGCACATGAGAAGATCTGGTTC  
 GACAAGTTCAAATATGACGACGCAGAAAGGAGATTCTACGAGCAGATGAACGGCCCTGTG  
 GCAGTGCCTCCGCCAGGAGAACGGCCGACGCGTATCCTCCGTGACATTGCGAGAGCC  
 AGAGAGAACATCCAGAAATCCCTGGCTGGAAGCTCAGGCCCGGGGCTCCAGCGGCACC  
 AGCGGAGACCACGGTGAAGCTCGTCCGATTGCCAGTCTGGAAGTGGAGAACCAGAGT  
 CTGCGTGGCGTGGTACAGGAGCTGCAGCAGGCCATCTCCAAGCTGGAGGCCCGGTGAAC  
 GTGCTGGAGAAGAGCTCGCTGGCCACCGGGCCACGGCCACAGACCCAGCAGTATCT  
 CCCATGCGCCAAGTGGAGCCCCAGCCAAGAAGCCAGCCACACCAGCAGAGGATGACGAG  
 GATGATGACATTGACCTGTTTGGCAGTGACAATGAGGAGGAGACAAGGAGGCGGCACAG  
 CTGCGGGAGGAGCGGCTACGGCAGTACGCGGAGAAGAAGGCCAAGAAGCCTGCACTGGTG  
 GCCAAGTCTCCATCCTGCTGGATGTCAAGCCTTGGGATGATGAGACGGACATGGCCAG  
 CTGAGGCGCTGTGTGCGCTCTATCCAGCTGGACGGGCTGGTCTGGGGGGCTTCCAAGCTG  
 GTGCCCGTGGGCTACGGTATCCGGAAGCTACAGATTCAGTGTGTGGTGGAGGACGACAAG  
 GTGGGGACAGACTTGGTGGAGGAGGAGATCACCAAGTTTGGAGGACAGTGCAGAGTGTG  
 GATATCGCAGCTTCAACAAGATCTGAAGCCTGAGTGTGTGTACGTGCGCGCGTGCCTGA  
 GGCCCTGCCACGATTAAGACTGAGCCCGGCACCAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001960

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).