

## Product datasheet for **SC322926**

### EEF1D (NM\_001130056) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** EEF1D (NM\_001130056) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** EEF1D  
**Synonyms:** EF-1D; EF1D; FP1047  
**Vector:** pCMV6 series

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001130056, the custom clone sequence may differ by one or more nucleotides

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ATGGCTACAACTTCTAGCACATGAGAAGATCTGGTTCGACAAGTTCAAATATGACGAC
GCAGAAAGGAGATTCTACGAGCAGATGAACGGCCTGTGGCAGGTGCCTCCCGCCAGAGC
TCAGGCCCCGGGGCCTCCAGCGCACACGCGGAGACCACGGTGAGCTCGTCGTCCGGATT
GCCAGTCTGGAAGTGGAGAACCAGAGTCTGCGTGGCGTGGTACAGGAGCTGCAGCAGGCC
ATCTCAAAGCTGGAGGCCCGCTGAACGTGCTGGAGAAGAGCTCGCTGGCCACCGGGCC
ACGGCCCCACAGACCCAGCACGTATCTCCCATGCGCCAAGTGGAGCCCCAGCCAAGAAG
CCAGCCACACCAGCAGAGGATGACGAGGATGATGACATTGACCTGTTTGGCAGTGACAAT
GAGGAGGAGGACAAGGAGGCGGCACAGCTGCGGGAGGAGCGGCTACGGCAGTACGCGGAG
AAGAAGGCCAAGAAGCCTGCACTGGTGGCCAAGTCTCCATCCTGCTGGATGTCAAGCCT
TGGGATGATGAGACGGACATGGCCCAGCTGGAGGCCTGTGTGCGCTCTATCCAGCTGGAC
GGGCTGGTCTGGGGGGCTTCCAAGCTGGTGGCCGTGGGCTACGGTATCCGGAAGCTACAG
ATTCAGTGTGTGGTGGAGGACGACAAGGTGGGGACAGACTTGCTGGAGGAGGAGATCACC
AAGTTTGAGGAGCACGTGCAGAGTGTGATATCGCAGCTTCAACAAGATC
```

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001130056  
**Insert Size:** 1179 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).  
**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.



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001130056.1</a></u> , <u><a href="#">NP_001123528.1</a></u>
<b>RefSeq Size:</b>	1179 bp
<b>RefSeq ORF:</b>	774 bp
<b>Locus ID:</b>	1936
<b>UniProt ID:</b>	<u><a href="#">P29692</a></u>
<b>Cytogenetics:</b>	8q24.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (7) has multiple differences compared to variant 1. The encoded isoform (4) is shorter than isoform 1. Both variants 7, 10, and 11 encode the same isoform (4).</p>