

Product datasheet for **MC226619**

Eef1d (NM_001285431) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eef1d (NM_001285431) Mouse Untagged Clone
Tag: Tag Free
Symbol: Eef1d
Synonyms: EF-1-delta
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226619 representing NM_001285431
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTACAACTTTCTAGCGCATGAGAAGATCTGGTTGACAAGTTTAAATATGATGATGCAGAAAGGA
GATTCTATGAGCAGATGAACGGCCTGTGACCTCCGGCTCCCGCCAGAGCTCAGGCCCTGGAGCCTCCAG
TGGACCTGGTGGAGACCACAGTGAGCTCATTGTGAGGATTACCAGTCTGGAAGTGGAGAACCAGAACCTT
CGAGGCGTGGTGAAGATTTGCAGCAGGCCATTTCCAAGTTGGAGGCCCGGCTGAGCTCTCTAGAGAAGA
GTTCCACTACTCCCCGAGCCACGGCCCCACAGACCAACATGTCTCTCCTATGCGTCAAGTGGAGCCCCC
AACCAAGAAAGGAGCCACACCAGCAGAGGACGATGAGGACAAGGACATTGACCTGTTGCGCAGTGACGAG
GAGGAAGAAGATAAGGAGGCTGCCGACTACGGGAGGAGAGGCTACGCCAGTACGCAGAGAAGAAGGCCA
AGAAGCCCACTGGTGGCCAAATCCTCCATCCTTTGGATGTTAAACCTGGGATGATGAGACTGACAT
GGCCCAGCTAGAGACTTGTGTGCGTTCATCCAATTGGACGGGCTGGTTTGGGGGCTCCAAGCTTGTG
CCTGTTGGCTATGGCATCCGGAAGCTGCAGATCCAGTGTGTGGTGGAGGATGACAAAGTGGGCACCGACT
TGCTCGAGGAGGAGATCACCAAAATTTGAGGAGCATGTGCAGAGTGTGCACATCGCAGCTTTCAACAAGAT
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285431
Insert Size: 774 bp



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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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001285431.1, NP_001272360.1</u>
RefSeq Size:	1635 bp
RefSeq ORF:	774 bp
Locus ID:	66656
UniProt ID:	<u>P57776</u>
Cytogenetics:	15 D3
Gene Summary:	<p>Isoform 1: EF-1-beta and EF-1-delta stimulate the exchange of GDP bound to EF-1-alpha to GTP, regenerating EF-1-alpha for another round of transfer of aminoacyl-tRNAs to the ribosome.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR, lacks portions of the 5' and central coding regions, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (c) is shorter, compared to isoform a. Variants 5, 6, and 7 encode the same isoform.</p>