

## Product datasheet for **MC226620**

### Eef1d (NM\_001285432) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eef1d (NM\_001285432) 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:** >MC226620 representing NM\_001285432  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTACAACTTTCTAGCGCATGAGAAGATCTGGTTGACAAGTTAAATATGATGATGCAGAAAGGA  
GATTCTATGAGCAGATGAACGGCCTGTGACCTCCGGCTCCCGCCAGAGCTCAGGCCCTGGAGCCTCCAG  
TGGACCTGGTGGAGACCACAGTGAGCTCATTGTGAGGATTACCAGTCTGGAAGTGGAGAACCAGAACCTT  
CGAGGCGTGGTGAAGATTTGCAGCAGGCCATTTCCAAGTTGGAGCCCGGCTGAGCTCTCTAGAGAAGA  
GTTCCACTACTCCCCGAGCCACGGCCCCACAGACCCAACATGTCTCTCCTATGCGTCAAGTGGAGCCCC  
AACCAAGAAAGGAGCCACACCAGCAGAGGACGATGAGGACAAGGACATTGACCTGTTGCGCAGTGACGAG  
GAGGAAGAAGATAAGGAGGCTGCCGACTACGGGAGGAGAGGCTACGCCAGTACGCAGAGAAGAAGGCCA  
AGAAGCCACACTGGTGGCCAAATCCTCCATCCTTTGGATGTTAAACCTGGGATGATGAGACTGACAT  
GGCCCAGCTAGAGACTTGTGTGCGTTCATCCAATTGGACGGGCTGGTTTGGGGGCTCCAAGCTTGTG  
CCTGTTGGCTATGGCATCCGGAAGCTGCAGATCCAGTGTGTGGTGGAGGATGACAAAGTGGGCACCGACT  
TGCTCGAGGAGGAGATCACCAAATTTGAGGAGCATGTGCAGAGTGTGACATCGCAGCTTTCAACAAGAT  
CTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001285432  
**Insert Size:** 774 bp



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|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | 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).   |
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.   |
| <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_001285432.1</a></u> , <u><a href="#">NP_001272361.1</a></u>  |
| <b>RefSeq Size:</b>           | 1638 bp  |
| <b>RefSeq ORF:</b>            | 774 bp   |
| <b>Locus ID:</b>              | 66656  |
| <b>UniProt ID:</b>            | <u><a href="#">P57776</a></u>  |
| <b>Cytogenetics:</b>          | 15 D3  |
| <b>Gene Summary:</b>          | <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 (6) 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> |