

## Product datasheet for **MC226578**

### Eif4e1b (NM\_001286179) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eif4e1b (NM\_001286179) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Eif4e1b  
**Synonyms:** Eif4eloo; Gm273  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226578 representing NM\_001286179  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCACTTCTGAGGTTATGAACAAAGTTGAGGGTGGAGGCCATAAGGAGGAGGTGGTGGTAAAGAAA  
AGGAGGTAGTAAAGAAAAGCCATCAGAAGCAACTGCGGAGGGAGTCCAAGCAGGAGAAGCCAAAGACCT  
TCCTGGCTCCCTTAAGACTCAGAGGAGGAAGGCCACAGAGAACATCCACCAGAGGTCTGAGCAAGCTA  
CACCCCTTGACGTACAGGTGGGTTCTGTGGTTCTCAAGAATGACCGAAGCCGGGCTGGCAGGACAACC  
TGACGCTAGTCACCAAGTTAACTGTGGAGGACTTCTGGGCGGTGTACAGCCATATCAAGCTGGCCAG  
CAAGCTCTCTCCGGCTGTGACTATGCCCTGTTCAAGGAAGGCATCCTGCCCATGTGGGAAGACAACAGA  
ACAAGCAGGGTGGCCGCTGGCTGCTCAGCATTGACAAACAAGTGGCCACTTCGAAGTGGACCGTCTGT  
GGCTGGAGACGTTGCTGTGTCTGGTTGGGAATTGTTTTGAGGAATACAGCAGGGAAGTGTGCGGTGCTGT  
CGTGAACATCCGCACGAAGAGGGACAAGATTGCCCTGTGGACGAGTGAAGCAGAGGACAAAGCCGGAGTG  
ATGCAGATCGGGCAAATATACAAAGAGCGCCTGGGCATCTCTACGAAGACCATCATTGGGTACCAGGCC  
ATGCAGACTGCTGCCAAGAGCAACAAGTTAGCAACAAGTTTGTGGT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001286179  
**Insert Size:** 753 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_001286179.1</a></u> , <u><a href="#">NP_001273108.1</a></u>
<b>RefSeq Size:</b>	1851 bp
<b>RefSeq ORF:</b>	753 bp
<b>Locus ID:</b>	218268
<b>UniProt ID:</b>	<u><a href="#">Q3UTA9</a></u>
<b>Cytogenetics:</b>	13 B1
<b>Gene Summary:</b>	Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) uses an alternate splice site in the 5'-terminal exon, and initiates translation from an alternate start codon, compared to variant 1. The encoded isoform (4) has a longer N-terminus, compared to isoform 1.