

Product datasheet for **MC226162**

Eif4e1b (NM_001286180) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eif4e1b (NM_001286180) 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: >MC226162 representing NM_001286180
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCACTTCTGAGATGAACAAAGTTGAGGGTGGAGGGCATAAGGAGGAGGTGGTGGTAAAGAAAAGG
AGGTAGTAAAAGAAAAGCCATCAGAAGCAACTGCGGAGGGAGTCCAAGCAGGAGAAGCCAAAGACCTTCC
TGGCTCCCTTAAGACTCAGAGGAGGAAGGCCACAGAGAACATCCACCAGAGGTCCTGAGCAAGCTACAC
CCCTTGACGTACAGGTGGTTCTGTGGTTCTTCAAGAATGACCGAAGCCGGGCCTGGCAGGACAACCTGC
AGCTAGTACCAAGTTTAACTGTGGAGGACTTCTGGCGGTGTACAGCCATATCAAGCTGGCCAGCAA
GCTCTCTCCGGCTGTGACTATGCCCTGTTCAAGGAAGGCATCCTGCCATGTGGGAAGACAACAGAAAC
AAGCAGGGTGGCCGCTGGCTGCTCAGCATTGACAAACAACTGCGCCACTTCGAACTGGACCGTCTGTGGC
TGGAGACGCAGGGAAGTGTGCGGTGCTGTCGTGAACATCCGCACGAAGAGGGACAAGATTGCCCTGTGGA
CGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286180
Insert Size: 567 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).



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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_001286180.1</u> , <u>NP_001273109.1</u>
RefSeq Size:	1810 bp
RefSeq ORF:	567 bp
Locus ID:	218268
UniProt ID:	<u>Q3UTA9</u>
Cytogenetics:	13 B1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) uses alternate splice sites in the 5'-terminal exon and in the 3' coding region, and initiates translation from an alternate start codon, compared to variant 1. The encoded isoform (5) has a longer N-terminus and a distinct C-terminus, compared to isoform 1.</p>