

Product datasheet for **MC226573**

Eif4e1b (NM_001286178) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eif4e1b (NM_001286178) 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: >MC226573 representing NM_001286178
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCACTTCTGAGATGAACAAAGTTGAGGGTGGAGGGCATAAGGAGGAGGTGGTGGTAAAGAAAAGG
 AGGTAGTGAAGAAAAGCCATCAGAAGCAACTGCGGAGGGAGTCCAAGCAGGAGAAGCCAAAGACCTTCC
 TGGCTCCCTTAAGACTCAGAGGAGGAAGGCCACAGAGAACATCCACCAGAGGTCCTGAGCAAGCTACAC
 CCCTTGCAGTACAGGTGGTTCTGTGGTCTTCAAGAATGACCGAAGCCGGGCCTGGCAGGACAACCTGC
 AGCTAGTACCAAGTTTAACTGTGGAGGACTTCTGGGCGGTGTACAGCCATATCAAGCTGGCCAGCAA
 GCTCTCTCCGGCTGTGACTATGCCCTGTTCAAGGAAGGCATCCTGCCATGTGGGAAGACAACAGAAAC
 AAGCAGGGTGGCCGCTGGCTGCTCAGCATTGACAAACAACTGCGCCACTTCGAACTGGACCGTCTGTGGC
 TGGAGACGTTGCTGTGCTGGTTGGGAATTGTTTTGAGGAATACAGCAGGGAAGTGTGCGGTGCTGTCGT
 GAACATCCGCACGAAGAGGGACAAGATTGCCCTGTGGACGAGTGAAGCAGAGGACAAAGCCGGAGTGATG
 CAGATCGGGCAAATATACAAAGAGCGCCTGGGCATCTCTACGAAGACCATCATTGGGTACCAGGCCCATG
 CAGACTGCTGCCAAGAGCAACAACCTTAGCAAACAAGTTTGTGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001286178
Insert Size: 750 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_001286178.1, NP_001273107.1</u>
RefSeq Size:	1848 bp
RefSeq ORF:	750 bp
Locus ID:	218268
UniProt ID:	<u>Q3UTA9</u>
Cytogenetics:	13 B1
Gene Summary:	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 (3) 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 (3) has a longer N-terminus, compared to isoform 1.