

## Product datasheet for **MR228784**

### Eif4e1b (NM\_001286178) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eif4e1b (NM\_001286178) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Eif4e1b  
**Synonyms:** Eif4eloo; Gm273  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228784 representing NM\_001286178  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACTTCTGAGATGAACAAAGTTGAGGGTGGAGGGCATAAGGAGGAGGTGGTGGTAAAGAAAAGG  
AGGTAGTAAAAGAAAAGCCATCAGAAGCAACTGCGGAGGGAGTCCAAGCAGGAGAAGCCAAAGACCTTCC  
TGGCTCCCTTAAGACTCAGAGGAGGAAGGCCACAGAGAACATCCACCAGAGGTCCTGAGCAAGCTACAC  
CCCTTGCAGTACAGGTGGTTCTGTGGTCTTCAAGAATGACCGAAGCCGGCCTGGCAGGACAACCTGC  
AGCTAGTACCAAGTTTAACTGTGGAGGACTTCTGGGCGGTGTACAGCCATATCAAGCTGGCCAGCAA  
GCTCTCTCCGGCTGTGACTATGCCCTGTTCAAGGAAGGCATCCTGCCATGTGGGAAGACAACAGAAAC  
AAGCAGGGTGGCCGCTGGCTGCTCAGCATTGACAAACAACTGCGCCACTTCGAACTGGACCGTCTGTGGC  
TGGAGACGTTGCTGTGTCTGGTTGGGAATTGTTTTGAGGAATACAGCAGGGAAGTGTGCGGTGCTGTCGT  
GAACATCCGCACGAAGAGGGACAAGATTGCCCTGTGGACGAGTGAAGCAGAGGACAAAGCCGGAGTGATG  
CAGATCGGGCAAATATACAAAGAGCGCCTGGGCATCTCTACGAAGACCATCATTGGGTACCAGGCCCATG  
CAGACTGCTGCCAAGAGCAACAACCTTAGCAAACAAGTTTGTGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR228784 representing NM\_001286178  
 Red=Cloning site Green=Tags(s)

MATSEMNKVEGGGHKEEVVVKEKEVVKPSEATAEGVQAGEAKDLPGSLKTQRRKAHREHPPEVLSKLH  
 PLQYRWLWFFKNDRSRAWQDNQLVTKFNTVEDFWAVYSHIKLASKLSSGCDYALFKEGILPMWEDNRN  
 KQGGRWLLSIDKQLRHFELDRLWLETLLCLVGNCFEEYSREVCGAVVNIIRTKRDKIALWTSEAEDKAGVM  
 QIGQIYKERLGISTKTIIGYQAHADTAAKSNLANKFVV

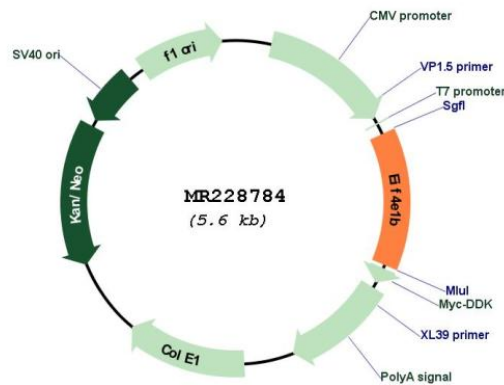
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286178  
**ORF Size:** 747 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001286178.1</a> , <a href="#">NP_001273107.1</a>
<b>RefSeq Size:</b>	1848 bp
<b>RefSeq ORF:</b>	750 bp
<b>Locus ID:</b>	218268
<b>UniProt ID:</b>	<a href="#">Q3UTA9</a>
<b>Cytogenetics:</b>	13 B1
<b>MW:</b>	29 kDa
<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]