

Product datasheet for **MR228789**

Eif4e1b (NM_001286179) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Eif4e1b (NM_001286179) 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: | >MR228789 representing NM_001286179 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCACTTCTGAGGTTATGAACAAAGTTGAGGGTGGAGGCCATAAGGAGGAGGTGGTGGTAAAGAAA
AGGAGGTAGTAAAGAAAAGCCATCAGAAGCAACTGCGGAGGGAGTCCAAGCAGGAGAAGCCAAAGACCT
TCCTGGCTCCCTTAAGACTCAGAGGAGGAAGGCCACAGAGAACATCCACCAGAGGTCTGAGCAAGCTA
CACCCCTTGCAGTACAGGTGGGTTCTGTGGTTCTCAAGAATGACCGAAGCCGGGCTGGCAGGACAACC
TGACGCTAGTCACCAAGTTAACTGTGGAGGACTTCTGGGCGGTGTACAGCCATATCAAGCTGGCCAG
CAAGCTCTCTCCGGCTGTGACTATGCCCTGTTCAAGGAAGGCATCCTGCCCATGTGGGAAGACAACAGA
ACAAGCAGGGTGGCCGCTGGCTGCTCAGCATTGACAAACAAGTGCAGCACTTGAAGTGGACCGTCTGT
GGCTGGAGACGTTGCTGTGTCTGGTTGGGAATTGTTTTGAGGAATACAGCAGGGAAGTGTGCGGTGCTGT
CGTGAACATCCGCACGAAGAGGGACAAGATTGCCCTGTGGACGAGTGAAGCAGAGGACAAAGCCGGAGTG
ATGCAGATCGGGCAAATATACAAAGAGCGCCTGGGCATCTCTACGAAGACCATCATTGGGTACCAGGCC
ATGCAGACTGCTGCCAAGAGCAACAAGTTAGCAACAAGTTTGTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228789 representing NM_001286179
 Red=Cloning site Green=Tags(s)

MATSEVMNKVEGGGHKEEVVVKEKEVPSEATAEGVQAGEAKDLPGSLKTQRRKAHREHPPEVL SKL
 HPLQYRWLWFFKNDRSRAWQDNLQLVTKFNTVEDFWAVYSHIKLASKLSSGCDYALFKEGILPMWEDNR
 NKQGGRWLLSIDKQLRHFELDRLETLCLLVGNCFEEYSREVC GAVVNI RTKRDKIALWTSEADKAGV
 MQIGQIYKERLGISTKTIIGYQAHADTA AKSNLANKFVV

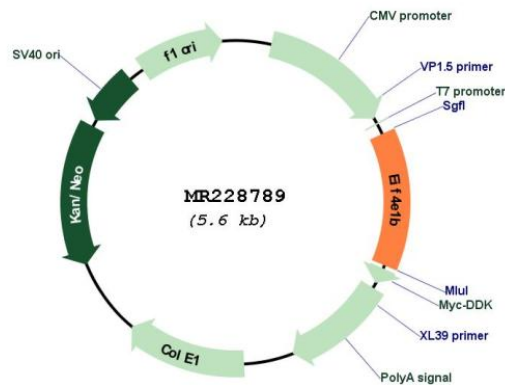
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286179
ORF Size: 750 bp

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|-------------------------------|---|
| OTI Disclaimer: | 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. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | NM_001286179.1 , NP_001273108.1 |
| RefSeq Size: | 1851 bp |
| RefSeq ORF: | 753 bp |
| Locus ID: | 218268 |
| UniProt ID: | Q3UTA9 |
| Cytogenetics: | 13 B1 |
| MW: | 29.1 kDa |
| 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] |