

Product datasheet for **MG220441**

Eif4e1b (NM_001039683) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eif4e1b (NM_001039683) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Eif4e1b
Synonyms: Eif4eloo; Gm273
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220441 representing NM_001039683
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAACAAAGTTGAGGGTGGAGGCATAAGGAGGAGGTGGTGGTAAAGAAAAGGAGGTAGTGAAAGAAA
AGCCATCAGAAGCAACTGCGGAGGGAGTCCAAGCAGGAGAAGCCAAAGACCTTCTGGCTCCCTTAAGAC
TCAGAGGAGGAAGGCCACAGAGAACATCCACCAGAGGTCTGAGCAAGCTACACCCCTGCAGTACAGG
TGGTTCTGTGGTTCTTCAAGAATGACCGAAGCCGGCCCTGGCAGGACAACCTGCAGCTAGTCACCAAGT
TTAACTGTGGAGGACTTCTGGCGGTGTACAGCCATATCAAGCTGGCCAGCAAGCTCTCTCCGGCTG
TACTATGCCCTGTTCAAGGAAGGCATCCTGCCATGTGGGAAGACAACAGAAACAAGCAGGGTGGCCGC
TGCTGCTCAGCATTGACAAACAACCTGCCCACTTCGAACTGGACCGTCTGTGGCTGGAGACGCAGGGAA
GTGTGGGTGCTGCTGTAACATCCGCACGAAGAGGGACAAGATTGCCCTGTGGACGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220441 representing NM_001039683
Red=Cloning site Green=Tags(s)

MNKVEGGGHKEEVVKEKEVVEKVPSEATAEGVQAGEAKDLPGLKTRRRKAHREHPPEVLSKLHPLQYR
WVLFKNDRSRAWQDNLQLVTKFNTVEDFWAVYSHIKLASKLSSGCDYALFKEGILPMWEDNRNKQGG
WLLSIDKQLRHFELDRLWLETQGSVRCREHPHEEGQDCPVDE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001039683

ORF Size: 549 bp

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:

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_001039683.2](#), [NP_001034772.1](#)

RefSeq Size: 859 bp

RefSeq ORF: 552 bp

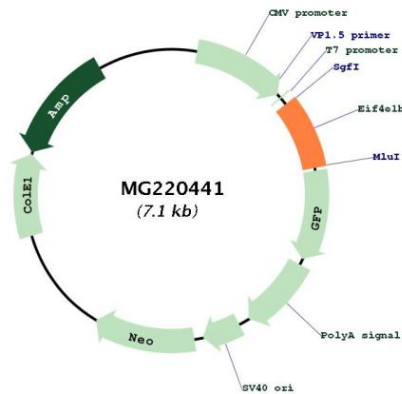
Locus ID: 218268

UniProt ID: [Q3UTA9](#)

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]

Product images:



Circular map for MG220441