

## Product datasheet for **MG220760**

### Eif4e1b (NM\_001033269) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eif4e1b (NM_001033269) 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:	>MG220760 representing NM_001033269 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACAAAGTTGAGGGTGGAGGGCATAAGGAGGAGGTGGTGGTAAAAGAAAAGGAGGTAGTGAAAGAAA  
AGCCATCAGAAGCAACTGCGGAGGGAGTCCAAGCAGGAGAAGCCAAAGACCTTCTGGCTCCCTTAAGC  
TCAGAGGAGGAAGGCCACAGAGAACATCCACCAGAGGTCTGAGCAAGCTACACCCCTTGCAGTACAGG  
TGGTTCTGTGGTTCTTCAAGAATGACCGAAGCCGGGCCCTGGCAGGACAACCTGCAGCTAGTCACCAAGT  
TTAACTGTGGAGGACTTCTGGCGGTGTACAGCCATATCAAGCTGGCCAGCAAGCTCTCTCCGGCTG  
TACTATGCCCTGTTCAAGGAAGGCATCCTGCCATGTGGGAAGACAACAGAAACAAGCAGGGTGGCCGC  
TGGCTGCTCAGCATTGACAAACAACCTGCGCCACTTCAACTGGACCGTCTGTGGCTGGAGACGTTGCTGT  
GTCTGGTTGGGAATTGTTTTGAGGAATACAGCAGGGAAGTGTGCGGTGCTGTCTGTAACATCCGCACGAA  
GAGGGACAAGATTGCCCTGTGGACGAGTGAAGCAGAGGACAAAGCCGGAGTGATGCAGATCGGGCAAATA  
TACAAAGAGCGCCTGGGCATCTCTACGAAGACCATCATTGGGTACCAGGCCCATGCAGACACTGTGCCA  
AGAGCAACAACCTAGCAAACAAGTTTGTGGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220760 representing NM\_001033269  
Red=Cloning site Green=Tags(s)

MNKVEGGGHKEEVVVKEKEVVKPSEATAEGVQAGEAKDLPGLKTRRKAHREHPPEVLSKLHPLQYR  
 WVLWFFKNDRSRAWQDNLQLVTKFNTVEDFWAVYSHIKLASKLSSGCDYALFKEGILPMWEDNRNKQGG  
 WLLSIDKQLRHFELDRLWLETLCLLVGNCFEESREVCGAVVNIIRTKRDKIALWTSEAEDKAGVMQIGQI  
 YKERLGISTKTIIGYQAHADTAAKSNNLANKFVV

TRTRPLE - GFP Tag - V

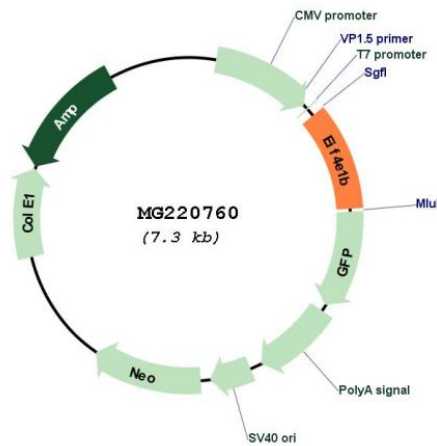
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001033269

**ORF Size:** 732 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_001033269.3</a> , <a href="#">NP_001028441.1</a>
<b>RefSeq Size:</b>	1914 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	218268
<b>UniProt ID:</b>	<a href="#">Q3UTA9</a>
<b>Cytogenetics:</b>	13 B1
<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]