

Product datasheet for **MG202188**

Eif4e3 (NM_025829) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Eif4e3
Synonyms: I300018P11Rik; A1451927; eIF4E-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG202188 representing NM_025829
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCTGCCCGGGCTGCCGCACCCCCGGGCTAACGAGCCTCTCGACAAGGCTGTGCCGCTTGC
CGCCGGAGCCGGCGGTGTCCCGCTGCACTCGCCCTGGACCTTCTGGCTGGACAGATCACTCCCTGGTGC
CACAGCAGCCGAGTGTGCCTCGAATCTGAAGAAAATCTACACGGTACAAACAGTGCAGATATTCTGGAGT
GTATAACAATAACATCCCTCCTGTGACCAGCCTGCCTTTGAGATGTAGTTATCACTTAATGAGAGGAGAGA
GGCGACCACTTTGGGAGGAGGAGAGTAATGCGAAGGGTGGCGTGTGGAAGATGAAAGTCCCAAGGACAG
CACGTCCACAGTTTGGAAAGAATTGTTGTTAGCGACCATTGGAGAGCAGTTCACAGACTGTGCTGCAGCA
GATGACGAGATCATCGGAGTCAGCGTGTGCGGGACCGAGAGGATGTCGTCCAGGTGTGGAATGTCA
ACGCTCAGTGTGGCGAAGCGACTGTGCTAGAGAAGATCCACCAGCTCCTGCCCCACATAGCTTTTAA
AGCAGTGTTTATAAACCCCATGAAGAGCATCATGCTTTTGAAGGTGGACGTGGAACAC

ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202188 representing NM_025829
Red=Cloning site Green=Tags(s)

MALPPAAAPPANEPDLKALSALPPEPGGVPLHSPWTFWLDRSLPGATAAECASNLKKIYTVQTVQIFWS
VYNNIPPVTSPLRCSYHLMRGERRPLWEEESNAKGGVWKMVVKDSTSTVWKEALLATIGEQFTDCAAA
DDEIIGVSVSRDREDVVQVWNVNASLVGEATVLEKIHQLLPHIAFKAVFYKPEEHHAFEGGRGKH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_025829

ORF Size: 621 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).

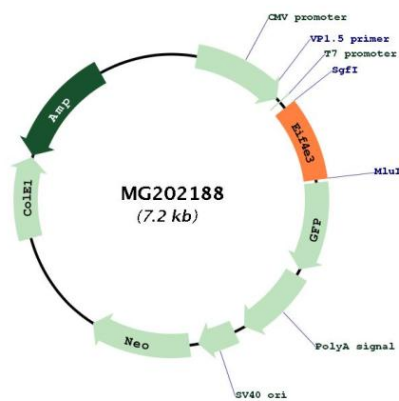
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025829.4](#)

RefSeq Size: 2514 bp

RefSeq ORF:	624 bp
Locus ID:	66892
UniProt ID:	Q9DBB5
Cytogenetics:	6 D3
Gene Summary:	Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis. May act as an inhibitor of EIF4E1 activity.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG202188