

Product datasheet for MR202188

Eif4e3 (NM_025829) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eif4e3 (NM_025829) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eif4e3
Synonyms: 1300018P11Rik; AI451927; eIF4E-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202188 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCTGCCCCGGCTGCCGCACCCCGGGGCTAACGAGCCTCTCGACAAGGCTCTGTCCGCGTTGC
 CGCCGGAGCCGGGCGGTGTCCCCTGCACTCGCCCTGGACCTTCTGGCTGGACAGATCACTCCCTGGTGC
 CACAGCAGCCGAGTGTCCCTCGAATCTGAAGAAAATCTACACGGTACAAACAGTGCAGATATTCTGGAGT
 GTATAACAATAACATCCCTCCTGTGACCAGCCTGCCTTTGAGATGTAGTTATCACTAATGAGAGGAGAGA
 GGCGACCACTTTGGGAGGAGGAGAGTAATGCGAAGGGTGGCGTGTGGAAGATGAAAGTCCCAAGGACAG
 CACGTCCACAGTTTGGAAAGAATTGTTGTTAGCGACCATTGGAGAGCAGTTCACAGACTGTGCTGCAGCA
 GATGACGAGATCATCGGAGTCAGCGTGTGCGGGACCGAGAGGATGTCGTCACAGGTGTGGAATGTCA
 ACGCCTCACTAGTGGCGAAGCGACTGTGCTAGAGAAGATCCACCAGCTCCTGCCCCACATAGCTTTTAA
 AGCAGTGTTTTATAAACCCCATGAAGAGCATCATGCTTTTGAAGGTGGACGTGGAAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202188 protein sequence
 Red=Cloning site Green=Tags(s)

MALPPAAAPPGANPLDKALSALPPEPGGVPLHSPWTFWLDRSLPGATAAECASNLKKIYTVQTVQIFWS
 VYNNIPPVTSPLRCSYHLMRGERRPLWEEESNAKGGVWKMVKPKDSTSTVWKELLLATIGEQTDCAAA
 DDEIIGVSVSRDREDVVQVWVNASLVGEATVLEKIHQLLPHIAFKAVFYKPHHEHHAFEGGRGKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025829

ORF Size: 624 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_025829.4](#)

RefSeq Size: 2513 bp

RefSeq ORF: 624 bp

Locus ID: 66892

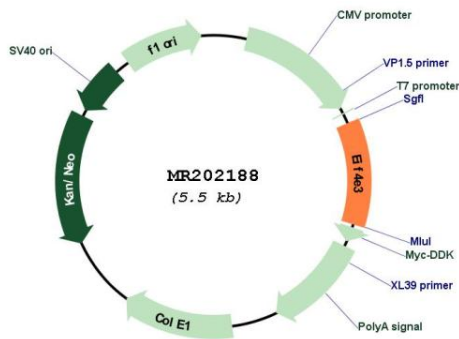
UniProt ID: [Q9DBB5](#)

Cytogenetics: 6 D3

MW: 22.8 kDa

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 MR202188