

Product datasheet for **MC209760**

Eif4e2 (NM_001039170) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif4e2 (NM_001039170) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eif4e2
Synonyms:	2700069E09Rik; AI036339; AV129531; D0H0S6743E; Eif4el3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC209760 representing NM_001039170 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACAACAAGTTTCGACGCCTTAAAAGATGATGACAGTGGAGACCATGATCAGAATGAAGAAAACAGCA
CACAGAAAGATGGTGAGAAGGAAAAACAGACCGAGACAAGAGCCAGAGCAGTGGCAAGAGGAAGGCTGT
TGTCCTGGACCAGCAGAGCATCCCTGCAGTAACTACACCTTTTGGTACTCGAGGAGAACCCTGGC
CGTCCCACCAGCTCGCAGAGCTATGAGCAGAACATCAAGCAGATTGGCACCTTTGCCTCTGTGGAGCAGT
TCTGGAAGTTTTACAGCCACATGGTACGTCCTGGGGACCTGACAGGCCACAGTGACTTTCATCTCTTCAA
AGAAGGGATTAACCTATGTGGGAGGATGATGCAAATAAAAAATGGGGGCAAGTGGATCATTTCGACTCCGG
AAGGGCTTAGCTTCCCGCTGCTGGGAGAATCTCATCTGGCTATGCTCGGGGAGCAATTCATGGTTGGGG
AGGAGATCTGCGGGCTGTGGTCTCTGTCCGCTTTCAGGAGGACATTATTCTATATGGAATAAGACTGC
CAGCGACCAAGCAACTACAGCCCGAATCCGGGATACTCTCGGCGCGTGCTTAACCTACCTCCCAACACC
ATTATGGAATACAAAACACACCGACAGCATCAAAATGCCAGGCAGGCTGGGCCCCCAAGGCTCCTTT
TTCAAAACCTCTGGAAGCCGCGATTGAATGTGCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001039170
Insert Size:	738 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001039170.1 , NP_001034259.1
RefSeq Size:	1809 bp
RefSeq ORF:	738 bp
Locus ID:	26987
UniProt ID:	Q8BMB3
Cytogenetics:	1 C5
Gene Summary:	Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation (PubMed:15153109). Acts as a repressor of translation initiation (By similarity). In contrast to EIF4E, it is unable to bind eIF4G (EIF4G1, EIF4G2 or EIF4G3), suggesting that it acts by competing with EIF4E and block assembly of eIF4F at the cap (PubMed:15153109). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).