

Product datasheet for **MC217774**

Eif4e2 (BC049077) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eif4e2 (BC049077) 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: >BC049077
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACAACAAGTTTCGACGCCTTAAAAGATGATGACAGTGGAGACCATGATCAGAATGAAGAAAACAGCA
CACAGAAAGATGGTGAGAAGGAAAAACAGACCGAGACAAGAGCCAGAGCAGTGGCAAGAGGAAGGCTGT
TGTCCTGGACCAGCAGAGCATCCCTGCAGTACAACCTACACCTTTTGGTACTCGAGGAGAACCCCTGGC
CGTCCCACCAGCTCGCAGAGCTATGAGCAGAACATCAAGCAGATTGGCACCTTTGCCTCTGTGGAGCAGT
TCTGGAAGTTTTACAGCCACATGGTACGTCCTGGGGACCTGACAGGCCACAGTGACTTTTCATCTCTTCAA
AGAAGGGATTAACCTATGTGGGAGGATGATGCAAATAAAAAATGGGGGCAAGTGGATCATTTCGACTCCGG
AAGGGCTTAGCTTCCCGCTGCTGGGAGAATCTCATCTGGCTATGCTCGGGGAGCAATTCATGGTTGGGG
AGGAGATCTCGGGGCTGTGGTCTCTGTCCGCTTTCAGGAGGACATTATTCTATATGGAATAAGACTGC
CAGCGACCAAGCAACTACAGCCCGAATCCGGGATACTCTCGGCGCGTGCTTAACCTACCTCCCAACACC
ATTATGGAATACAAAACACACCGACAGCATTGCACCTCAGGGAACCATGAGTTCCAAACTATGTCTCA
TGGTTAACCCCTTAAAGGTCACCAGACCTCATGCTTCTACGTTCCCGCTTGGCTCCGTGCACCAACAGAT
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC049077
Insert Size: 774 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:	BC049077 , AAH49077
RefSeq Size:	2855 bp
RefSeq ORF:	773 bp
Locus ID:	26987
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]