

Product datasheet for **MC217393**

Eif2b4 (NM_010122) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif2b4 (NM_010122) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eif2b4
Synonyms:	Eif2b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217393 representing NM_010122
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCGGTGGCGGTGGCTGTTCCGCAAGAATCGAGATCCGAGATGAAGACTGAACTTCTCCTCGGC
 CCGGGGCAGCAGGGCGGGAGTTGACCCAAGAAGAGAAGCTTCAGCTTCGAAAAGAAAAGAAACAGCAGAA
 GAAGAAAACGGAAGGAGGAAAAGGGGCGAGACCAAGAAATTGGCTCTGCTGTGTCTGCAGCTCAACGGCAA
 GACCCAATCAGAGAACTCCAGGACCTGGTAGTCAGCTGGGAGGTACTGCTGGGAGAACTTCCAGCTG
 GCCGGAGTAAGGCAGAACTTCGCGCCGAAAGGAGGCCAAGCAGGAGGCAGAGCGGGCCCTGAAACAGGC
 AAGAAAAGGGGAACAAGGAGGCGTCCCTCCTCAGGCCTGCCCCAGCACTGCTGGAGAAACCACCTCAGGA
 GTGAAGCGTGTCCCGAGCACACCCAGCTGATGACCCACACTTCTGAGGAGGCTCCTTAGAAAGCCAG
 ATCGACAACAGGTTCTACACGAAAGGATTACGGATCCAAAGTCAGTCTTCTCCACCTGCCTCAGTA
 CAGCAGACAAAGCTCCTTGACCCAGTACATGAGCATCCCATCCTCTGTGATCCACCCAGCCATGGTGA
 CTCGGTCTGCAGTACTCCAGGGCTCATCAGTGGCTCCAATGCCGGTGCATCGCACTGCTTCAGGCC
 TGCAGCAGGTGATTACAGATTACACAACACCTCCAGTGAAGAACTCTCCAGGGATCTTGTAAATAA
 AAAACCTACATCAGTTCCTGACGCACTGCCGCCCATGTGCGCAAGTATGTGCAACGCCATCAAGTTC
 CTAACCAAGGAAGTCACTGGCATGAGCAGCTCCAAGCGGGAAGAGGAGGCCAAGTCAGAAGTACAGAA
 CCCTCGACCGGTACGTGCAAGAGAAGATCGTGTGTCAGCTCAGGCAATTTACGATTTGCTTCTACAAA
 GATCAGTGATGGGACGTGATCCTGGTATATGGATGCTCATCTTTGGTGTGAGAATTTCCAGGAGGCC
 AGGTCGAGGGCAGGCGGTTTCGGGTGGTGGTGGACAGCCGCGCCCGGCTGGAAGGAAGGCACATGC
 TCCACTCTTTGTCCGTGCTGGGTCCCTACCTCTATCTGCTGATTCTGCAGCCTCCTATGTGCTTCC
 AGAGTTTTCTAAGGTGCTATTGGGAGCTCATGCACTCCTGGCCAATGGATCTGTGATGTCTCGGGTAGGG
 ACAGCACAGTTGGCCCTGGTGGCTCGAGCTCATAACGTTCCAGTACTGGTCTGCTGTGAAACGTACAAGT
 TCTGTGAACGTGTGCAGACTGATGCCTTTGTCTCCAACGAGCTAGATGATCCCGATGATCTGCAGTGTA
 GCGGGGAGACCAGGTGGCCCTGGCTAACTGGCAGAGCCACCCGCTCCCTCCGGTTGTTGAATCTGGTCTAT
 GACGTGACTCCACCTGAGCTCGTGGATCTGGTATCACAGAGTTGGGCATGATCCCTGCAGTCTGTGC
 CTGTTGTTCTTCGAGTCAAGAGCAGTGACCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_010122

Insert Size: 1575 bp

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:

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_010122.2](#), [NP_034252.2](#)

RefSeq Size: 1752 bp

RefSeq ORF: 1575 bp

Locus ID: 13667

UniProt ID: [Q61749](#)

Cytogenetics: 5 B1

Gene Summary: Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks a segment spanning the 5' UTR and 5' coding region, compared to variant 1, resulting in translation initiation from an alternate start codon and a shorter protein (isoform 2) with a distinct N-terminus, compared to isoform 1.