

Product datasheet for **MC218164**

Eif2b4 (NM_001127356) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif2b4 (NM_001127356) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eif2b4
Synonyms:	Eif2b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218164 representing NM_001127356
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAACCCAGCAGCCAGCTGCGCCGACGAGTCTCCCAAGTCCTCCCGAGCCTGTCTGGCTCACTCT
 GTGCCCTGTTTTCTGATGCAGAATCGAGATCCGAGATGAAGACTGAACTTCTCCTCGGCCCGGGCAGC
 AGGGCGGGAGTTGACCCAAGAAGAGAAGCTTCAGCTTCGAAAAGAAAAGAAACAGCAGAAGAAGAAACGG
 AAGGAGGAAAAGGGGCGAGACCAAGAAATTGGCTCTGCTGTGTCTGCAGCTCAACGGCAAGACCCAATCA
 GAGAACTCCAGGACCTGGTAGTCAGCTGGGAGGTACTGCTGGGAGAACTTCCAGCTGGCCGGAGTAA
 GGCAGAACTTCGCGCCGAAAGGAGAGCCAAGCAGGAGGCAGAGCGGGCCCTGAAACAGGCAAGAAAAGGG
 GAACAAGGAGGCGTCCCTCCTCAGGCTGCCCCAGCACTGCTGGAGAAACCCTCAGGAGTGAAGCGTG
 TCCCCGAGCACACCCAGCTGATGACCCACACTTCTGAGGAGGCTCCTAGAAAGCCAGATCGACAACA
 GTTTCTACACGAAAGGATTACGGATCCAAAGTCAGTCTTTCTCCACCTGCCTCAGTACAGCAGACAA
 AGCTCCTTGACCCAGTACATGAGCATCCCATCCTCTGTGATCCACCCAGCCATGGTGAGACTCGGTCTGC
 AGTACTCCAGGGCCTCATCAGTGGCTCCAATGCCCGGTGCATCGCACTGCTTACGCGCCTGCAGCAGGT
 GATTACAGGATTACACAACACCTCCAGTGAGGAACTCTCCAGGGATCTTGTAATAAACTAAAACCTTAC
 ATCAGTTCCTGACGCAGTGCAGCCCATGTCCGCAAGTATGTGCAACGCCATCAAGTTCCTAACCAAGG
 AAGTCACTGGCATGAGCAGCTCCAAGCGGGAAGAGGAGGCAAGTCAAGACTTAGAGAAGCCCTCGACCG
 GTACGTGCAAGAGAAGATCGTGCTTGCAGCTCAGGCAATTCACGATTTGCTTCTACAAAGATCAGTGAT
 GGGGACGTGATCCTGGTATATGGATGCTCATCTTTGGTGTGAGAATTCTCCAGGAGGCCAGGGTCGAGG
 GCAGGCGGTTTCGGGTGGTGGTGGACAGCCCGCCGGCTGGAAGGAAGGCACATGCTCCACTCTCT
 TGTCCGTGCTGGGTCCCTACCTCATCTGCTGATTCCCTGCAGCCTCCTATGTGCTTCCAGAGGTTTCT
 AAGGTGCTATTGGGAGCTCATGCACTCCTGCCAATGGATCTGTGATGTCTCGGGTAGGGACAGCACAGT
 TGGCCCTGGTGGCTCGAGCTCATAACGTTCCAGTACTGGTCTGCTGTGAAACGTACAAGTTCTGTGAACG
 TGTGCAGACTGATGCCTTTGTCTCCAACAGCTAGATGATCCCGATGATCTGCAGTGAAGCGGGGAGAC
 CAGGTGGCCCTGGCTAACTGGCAGAGCCACCCGTCCTCCGGTTGTTGAATCTGGTCTATGACGTGACTC
 CACCTGAGCTCGTGGATCTGGTATCACAGAGTTGGGCATGATCCCTGCAGTCTGTGCCTGTTGTTCT
 TCGAGTCAAGAGCAGTGACCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001127356
- Insert Size:** 1635 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_001127356.1](#), [NP_001120828.1](#)

RefSeq Size: 2119 bp

RefSeq ORF: 1635 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 (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 3 encode the same isoform.