

## Product datasheet for **MC218163**

### Eif2b4 (NM\_001127355) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eif2b4 (NM_001127355) 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:** >MC218163 representing NM\_001127355  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAACCCAGCAGCCAGCTGCGCCGACGAGTCTCCCAAGTCCTCCCGAGCCTGTCTGGCTCACTCT  
 GTGCCCTGTTTTCTGATGCAGAATCGAGATCCGAGATGAAGACTGAACTTCTCCTCGGCCCGGGCAGC  
 AGGGCGGGAGTTGACCCAAGAAGAGAAGCTTCAGCTTCGAAAAGAAAAGAAACAGCAGAAGAAGAAACGG  
 AAGGAGGAAAAGGGGGCAGACCAAGAAATTGGCTCTGCTGTGTCTGCAGCTCAACGGCAAGACCCAATCA  
 GAGAACTCCAGGACCTGGTAGTCAGCTGGGAGGTACTGCTGGGGAGAACTTCCAGCTGGCCGGAGTAA  
 GGCAGAACTTCGCGCCGAAAGGAGAGCCAAGCAGGAGGCAGAGCGGGCCCTGAAACAGGCAAGAAAAGGG  
 GAACAAGGAGGCGTCCCTCCTCAGGCCTGCCCCAGCACTGCTGGAGAAACCCTCAGGAGTGAAGCGTG  
 TCCCCGAGCACACCCAGCTGATGACCCACACTTCTGAGGAGGCTCCTAGAAAGCCAGATCGACAACA  
 GGTTCTACACGAAAGGATTACGGATCCAAAGTCAGTCTTTCTCCACCTGCCTCAGTACAGCAGACAA  
 AGCTCCTTGACCCAGTACATGAGCATCCCATCCTCTGTGATCCACCCAGCCATGGTGAGACTCGGTCTGC  
 AGTACTCCAGGGCCTCATCAGTGGCTCCAATGCCCGGTGCATCGCACTGCTTACGCGCCTGCAGCAGGT  
 GATTACAGGATTACACAACACCTCCAGTGAGGAACTCTCCAGGGATCTTGTAATAAACTAAAACCTAC  
 ATCAGTTCTCTGACGCAGTGCCGCCCATGTCCGCAAGTATGTGCAACGCCATCAAGTTCCTAACCAAGG  
 AAGTCACTGGCATGAGCAGCTCCAAGCGGGAAGAGGAGGCCAAGTCAGAACTTAGAGAAGCCCTCGACCG  
 GTACGTGCAAGAGAAGATCGTGCTTGCAGCTCAGGCAATTCACGATTTGCTTCTACAAAGATCAGTGAT  
 GGGGACGTGATCCTGGTATATGGATGCTCATCTTTGGTGTGAGAATTCTCCAGGAGGCCAGGGTCGAGG  
 GCAGGGGTTTCGGGTGGTGGTGGACAGCCGGCCCGGCTGGAAGGAAGGCACATGCTCCACTCTCT  
 TGTCCGTGCTGGGTCCCTACCTCTATCTGCTGATTCCCTGCAGCCTCCTATGTGCTTCCAGAGGTTTCT  
 AAGGTGCTATTGGGAGCTCATGCACTCCTGCCAATGGATCTGTGATGTCTCGGGTAGGGACAGCACAGT  
 TGGCCCTGGTGGCTCGAGCTCATAACGTTCCAGTACTGGTCTGCTGTGAAACGTACAAGTTCTGTGAACG  
 TGTGCAGACTGATGCCTTTGTCTCCAACAGCTAGATGATCCCGATGATCTGCAGTGAAGCGGGGAGAC  
 CAGGTGGCCCTGGCTAACTGGCAGAGCCACCCGTCCTCCGGTTGTTGAATCTGGTCTATGACGTGACTC  
 CACCTGAGCTCGTGGATCTGGTATCACAGAGTTGGGCATGATCCCTGCAGTCTGTGCCTGTTGTTCT  
 TCGAGTCAAGAGCAGTGACCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001127355

**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\\_001127355.1](#), [NP\\_001120827.1](#)

**RefSeq Size:** 1897 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 (3) differs in the 5' UTR, compared to variant 1, and encodes isoform 1. Variants 1 and 3 encode the same isoform.