

Product datasheet for **MC221043**

Eif2b5 (NM_172265) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif2b5 (NM_172265) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eif2b5
Synonyms:	C81315
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC221043 representing NM_172265

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCCACTGCGGCGGTGCCTGGCGCTGCGGCCGCCGAGCAGCAAACGCGGCGGCGGCGGCTCGG
 GCGGCGGGGAACCAAGGTGCGGAGGAGAGCCGCCGCCCTCCAGGCAGTTCTAGTGGCCGATAG
 CTTCAACCGCGCTTCTTCCCATCTCCAAGGACCAGCCTCGGGTCTTGGCCCTGGCCAACGTTGCG
 CTAATTGACTATACTCTGGAGTTCCTGACTGCCACGGGTGTACAGGAAACATTTGTCTTTTGCTGCTGGA
 AAGCTGCTCAGATCAAAGAACACTTACAGAAATCCAAGTGGTCCATCCTACGCCCCAACGTTGTTTCG
 GATAATCACATCAGAGCTATACCGATCACTAGGAGACGTCCTCCGTGACGTCGATGCCAAGGCTTGGTG
 CGCTCTGACTTTCTTGTATATATGGAGATGTCATCTCAAATATCAATATCTGCAGAGCCTGGAGGAAC
 ACAGGTTAAGAAGGAAGCTAGAAAAAATGTCTCTGTGATGACAATGGTCTTCAAAGAGTCGTCACCCAG
 CCACCCTACACGCTGCCATGAGGACAACGTGGTGTGGCTGTGGACAGCGCCACCAACAGGGTTCTTCAC
 TTCCAGAAGACCAAGGCTCCGGCGCTTTTCCCTTCCATTGAGCCTGTTCCAGGGCAGTGGAGACGGAG
 TGGAGATTCGATATGATTGTTGGACTGTCACATCAGCATCTGCTCTCCTCAGGTAGCTCAGCTCTTCAC
 AGACAATTTTGAATACCAAACCTCGAGATGATTTGTACGAGGCATATTAATGAATGAGGAGGTCCTAGGA
 AACCAGATTCACCTTGCATGTGACAACCTAGGGAATATGGTGCCCGGTCTCCAACCTACACATGACTCAG
 CTGTTTGTGCTGACGTCATCCGCCGATGGGTCTACCCTCTCACTCCAGAAGTAACTTCACTGACAGCAC
 CACCCAGAGCTACACTCATTCCCGACACAACATCTACCGAGGGCTGAAGTCAGCCTGGGCCATGGCAGC
 GTCCTGGAGGAAAATGTGCTTTTGGGAGCTGGCACTGTCATCGGCAGCAACTGCTCCATCACCACAGTG
 TCATCGGCCCTAACTGCCATATTGGTGATAATGTGGTACTGGACAGGCCTACCTGTGGCAGGGAGTTTCG
 AGTGGCTGCTGGAGCACAAATACCAATCTCTGCTCTGTGACAGAGCTGAGGTCAAGGAGCGAGTCAAA
 CTGAAGCCATACTGTGTTCTCACTTCCCAGGTGGTAGTGGGCCAGACATCACGCTGCCGAGGGCTCGG
 TGATCTCTTTCATCCTCCAGATGCAGAGGAAGATGAAGATGATGGCCAGTTTAGTGATGATTCTGGAGC
 TGACCAAGAAAAGGAGAAAGTGAAGCTGAAAGGTTACAATCCAGCAGAAGTTGGCCTTGAAGGCCAGGGA
 TACCTCTGGAAGCTGAGGGTGTGAAGTGAAGAGATGAGGAGCTACGGCAGAGTCTCTGGGGACTCA
 TGATCAAGACGGAGGAGGAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
 AGCAGGCTCCCTCAGCTGGATGACATCAGAGTTTCCAGAACGAGGTCTGGGAACGCTGCAGCGGGGC
 AGAGAGGAGAATCTCCTGTGAAAATCTAGTCTGGAGATCACTCTCTCAAGCATGCCTACAACATTA
 GCCTAAAGGAAGTATGACAGGTCTGACCTTGTAGTCTGGAGTTCCCTGCAACAAGTCGATGGCCT
 GCTTGACCCAAACCGCTACTGTGCCTTGTGCTTCTCTGCTCAAAGCCTGGAGCCCTGTTTAAAGGAAC
 TACATAAGCGTGCAGCTGACCACTTGAAGCATTGGCAGCCATTGAGGACTTCTTCTTGAACATGAAA
 CTCTCGTTACTTCCATGGCCAAGGTCTGATGGCTTTCTACCAGCTGGAGATCTTGGCTGAGGAAACAT
 CTTGAGCTGGTTAGCCAAAGAGACACAACCTGACGAAGGCCAGCAGTTACGGAAGAATCAACAGCTGCAG
 AGGTTTCATCCAGTGGCTGAGAGAGGCAGAAGAAGAGTATCCGAAGATGAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_172265

Insert Size:

2154 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_172265.2, NP_758469.1</u>
RefSeq Size:	2556 bp
RefSeq ORF:	2154 bp
Locus ID:	224045
UniProt ID:	<u>Q8CHW4</u>
Cytogenetics:	16 A3
Gene Summary:	Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.[UniProtKB/Swiss-Prot Function]