

Product datasheet for **RN209132**

Eif2b4 (NM_053950) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif2b4 (NM_053950) Rat 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: >RN209132 representing NM_053950
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCGGTGGCGGTGGCTGTTCGCGAAGAATCGAGATCCGAGATGAAGACAGAACTTTCACCTCGGC
 CCGGGGACAGCGGGCGGGAGTTGACCCAAGAAGAGAAGCTTCAGCTTCGGAAAGAAAAGAAACAGCAGAA
 GAAGAAACGGAAGGAGGAAAAGGGGGCAGACCAAGAAATTGGCTCTGCTGTATCTGCAGCTCAACGTCAA
 GACCCAGTCAGAGAACTCAAGGAACTGGTAGTCAGTTGGGAGGCACTACTGGGGAGAACTTCCAGCTG
 GCCGGAGTAAGGCAGAACTTCGAGCAGAAAGGAGGCCAAGCAGGAGGCAGAGCGGGCCCTGAAACAGGC
 CAGAAAAGGGGAACAAGGAGGACCTCTCCTCAGGCCTGCCCCAGCACAGCTGGAGAAGCCACCTCAGGA
 GTGAAGCGTGTCCCTGAGCACACCCAGGCTGATGACCCACACTTCTGAGGAGGCTCCTAGAAAGCCAG
 ATCGACAACAGGTTCTACAAGAAAGGATTATGGATCCAAAGTCAGTCTTTCTCCACCTACCCAGTA
 CAGCAGACAAAGCTCCTAACCCAGTACATGAGCATCCCATCCTCTGTGATCCACCCAGCCATGGTGCGA
 CTCGGTCTGCAGTACTCCAGGGCCTTGTGAGTGGCTCCAATGCCGGTGCATAGCGCTGCTCCACGCTC
 TGCAGCAGGTGATTACAGGATTACACAACACCTCCAATGAGGAACTCTCCAGGGATCTTGTAAATAA
 AAAACCTACATCAGCTTCTGACCCAGTGCCGCCCATGTGCGCCAGCATGTGTAAACGCATCAAGTTC
 TTTAAACAAGGAAGTCACTGGTATGAGCAGCTCAAGCGGGAAGAAGAGGCCAAGTCAGAACTTAAAGAAG
 CCATCGATCGGTATGTGCAAGAGAAGATTGTGCTTGCATCTCAGGCAATTTACGATTTGCTTCTAAGAA
 GATCAGTGATGGGACGTGATCCTAGTATATGGATGCTCATCTGCTGTCGAGAATTTCCAGGAGGCC
 TGGTTGAGGGCAGGCGCTTCCGGTGGTGGTAGACAGCCGGCCCGGCTGGAGGGAAGGCATATGC
 TCCACTGTCTGGTCCGTGCTGGGTCCCTACCTCTGCTGATTCTGCGGCCTCCTATGTGCTCCC
 AGAGGTTTCTAAGGTGCTATTGGGAGCTCATGCACTCCTGGCCAATGGATCTGTGATGTGAGGGTAGGG
 ACAGCACAGTTGGCCCTGGTGGCCGAGCTCATAATGTTCCAGTACTGGTCTGCTGTGAAACATAACAAGT
 TCTGTGAACGCGTGCAGACCGATGCCTTTGTCTCCAACGAGCTAGATGACCCTGACGATCTCCAGTGAA
 GCGGGGAGACCAGGTGACCTGGCGAACTGGCAGAACTCATCACTCCGGTTGTTGAATCTGGTCTAT
 GACGTGACTCCCCCGAGCTTGTGGATCTGGTATCACAGAGTTGGGCATGATCCCTGCAGTTCTGTGC
 CTGTTGCTCCTCCGAGTCAAGAGTAGTGACCA**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_053950

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_053950.1](#), [NP_446402.1](#)

RefSeq Size: 1634 bp

RefSeq ORF: 1575 bp

Locus ID: 117019

UniProt ID: [Q63186](#)

Cytogenetics: 6q14

Gene Summary: mediates the exchange of GDP bound to translation initiation factor eIF2 for GTP [RGD, Feb 2006]