

Product datasheet for **RN211873**

Eif2b1 (NM_172029) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eif2b1 (NM_172029) Rat Untagged Clone
Tag: Tag Free
Symbol: Eif2b1
Synonyms: eIF-2a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211873 representing NM_172029
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGACGGTGAGTTAATCAAGTACTTTAAGTCCCAGATGAAAGGAGACCCTAACATGGCCTCGGCGG
TGGCTGCCATCCAGACCTTGCTGGAATCTTGAAGAGAGATAAAGGAGAGACAATCCAGGCGCTGAGAGC
CCATCTCACAAAGCCATCGAAACCTCTGCGCTGTGGACTCCTCGGTGGCGGTGCTCCTCGGCGGGGAA
CTCTTCCTTCGTTTCATCAGCCTCACCTCCCTGGAGTACTCCGACTACTCCAAATGTAAAAAGATCATGA
TCGAGAGAGGAGAGCTTTTCTGAGCAGAATATCCCTGTCAAGAACTAAGATCGCCAGTCTATGCCATGC
TTTTATCAAAGACGGGGCGAGAATCTTGACTCACGCCTACTCCAGAGTTGTCTGAGGGTCTGGAAGAA
GCCGTGGCAGCCAAGAAACGTTTCAGTGTGTATATCACGGAGTCACAGCCTGATTTATCTGGTAAGAAA
TGGCCAAAGCCCTCTGCCACCTCAATGTCCCTGTCACTGTGGTGTGGACGCTGCTGTTGGCTATATCAT
GGAGAAAGTAGACCTTGTTCATCGTTGGTGTGAAGGAGTGGTAGAGAATGGAGGAATTATTAACAAGATC
GGAACCAACCAGATGGCCGTGTGTGCCAAAGCCAGAACAGCCCTTCTATGTGGTTGCAGAAAGTTTCA
AGTTTGTACGGCTTTTCCACTCAACCAGCAAGATGTCCAGATAAGTTTAAGTACAAGGCAGACACCTC
GAAGTCTGTGCAGCTGGACAGGACCTCAAAGAGGAACACCCATGGGTGCGACTACACCTCCCCATCCCTC
ATCACACTGCTGTTTACGGACTTAGGTGTGTTGACACCATCCGCTGTAAGCGACGAGCTCATCAAGCTGT
ACCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172029
Insert Size: 918 bp



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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:	<ol style="list-style-type: none">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:	<u>NM_172029.2</u> , <u>NP_742026.1</u>
RefSeq Size:	1502 bp
RefSeq ORF:	918 bp
Locus ID:	64514
UniProt ID:	<u>Q64270</u>
Cytogenetics:	12q15
Gene Summary:	alpha subunit of eukaryotic peptide initiation factor 2B involved with mRNA translation into protein; may regulate protein synthesis when peptide chain initiation is inhibited [RGD, Feb 2006]