

Product datasheet for **SC118903**

EEF1B2 (NM_001959) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EEF1B2 (NM_001959) Human Untagged Clone
Tag:	Tag Free
Symbol:	EEF1B2
Synonyms:	EEF1B; EEF1B1; EF1B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118903 sequence for NM_001959 edited (data generated by NextGen Sequencing)

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ATGGGTTTCGGAGACCTGAAAAGCCCTGCCGGCCTCCAGGTGCTCAACGATTACCTGGCG  
GACAAGAGCTACATCGAGGGGTATGTGCCATCACAAGCAGATGTGGCAGTATTTGAAGCC  
GTGTCCAGCCCACCGCCTGCCGACTTGTGTCTATGCCCTACGTTGGTATAATCACATCAAG  
TCTTACGAAAAGGAAAAGGCCAGCCTGCCAGGAGTGAAGAAAGCTTTGGGCAAATATGGT  
CCTGCCGATGTGGAAGACACTACAGGAAGTGGAGCTACAGATAGTAAAGATGATGATGAC  
ATTGACCTCTTTGGATCTGATGATGAGGAGGAAAGTGAAGAAGCAAAGAGGCTAAGGGAA  
GAACGTCTTGACAATATGAATCAAAGAAAGCCAAAAACCTGCACTTGTGCAAGTCT  
TCCATCTTACTAGATGTGAAACCTTGGGATGATGAGACAGATATGGCGAAATTAGAGGAG  
TGCCTCAGAAGCATTCAAGCAGACGGCTTAGTCTGGGGCTCATCTAAACTAGTTCAGTG  
GGATACGGAATTAAGAACTTCAAATACAGTGTGTAGTTGAAGATGATAAAGTTGGAACA  
GATATGCTGGAGGAGCAGATCACTGCTTTTGAGGACTATGTGCAGTCCATGGATGTGGCT  
GCTTTCAACAAGATCTAA
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Clone variation with respect to NM_001959.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001959 unedited
 GTAATACGACTCACTTATAGGGCGGCCGATTCCGGCACGAGGGTGGAGGTACGAACTTA
 AGACATGCCTATTTTATTAATTTACTTCCAAACGCAACGAAAGGTCCATGGACAATTTGT
 GGGCCATTTAATTCAGGGCCCCCAATTCGTACGTGGAGAAGTGGGAATGCAAAAGTACTT
 TGACCTTTAACCTTCGGTCCGGCCGGTGGAGGAAACGCCTCCGTCTCTATAAAGGAA
 TTTTCCGGTCTCTTCGGGTCCTTTTTCTCTCTCAGCGTGGGGCGCCACAATTTGCGC
 GCTCTCTTTCTGCTGCTCCCGACTCTCGGATACAGCCGACACCATGGGTTTCGGAGACC
 TGAAAAGCCCTGCCGGCCTCCAGGTGCTAACGATTACCTGGCGACAAGAGCTACATCG
 AGGGGTATGTGCCATCACAAGCAGATGTGGCAGTATTTGAAGCCGTGTCCAGCCCACCGC
 CTGCCGACTTGTGTCATGCCCTACGTTGGTATAATCACATCAAGTCTTACGAAAAGGAAA
 AGGCCAGCCTGCCAGGAGTGAAGAAAGCTTTGGGCAAATATGGTCTGCCGATGTGGAAG
 ACACTACAGGAAGTGGAGCTACAGATAGTAAAGATGATGATGACATTGACCTCTNTGGAT
 CTGATGATGAGGAGGAAAGTGAAGAAGCANAGAGGCTAAGGGAAGAACGTCTTGACAAT
 ATGAATCANAGAAAGCCAAAAACCTGCACTTGTGCCAAGTCTCCATCTTACTAGATG
 TGAACCTTGGGATGATGAGACAGATATGGCGAAATAGAGGAGTCCGTCAGAAGCATTCA
 GCAGACGGCTAGTCTGGGCTCATCTAACTAGTTCAGTGGGATACGAATTAGAAACTCA
 ATACAGTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001959 unedited
 CTTCCAGGGCCAGNANAGCACTGGGGAGGGGTCACAGGNATGCCACCCGGGATCTGTTCA
 GGAAACAGCTATGACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAATC
 TTTCAATCTTTTATTTAAATGCCATGATCCAGGATGGATTTTAGATCTTGTGAAAGCAG
 CCACATCCATGGACTGCACATAGTCTCAAAGCAGTATCTGCTCCTCCAGCATATCTG
 TTCCAACCTTATCATCTTCAACTACACACTGTATTTGAAGTTTCTAATTCCGTATCCCA
 CTGGAAGTACTTTAGATGAGCCCCAGACTAAGCCGTCTGCTTGAATGCTTCTGACGCACT
 CCTCTAATTTGCCATATCTGTCTCATCATCCCAAGGTTTACATCTAGTAAGATGGAAG
 ACTTGGCAACAAGTGCAGGTTTTTTGGCTTTCTTTGATTCAATTTGGGCAAGACGTTCTT
 CCCTTAGCCTCTTTGCTTCTTCACTTTCTCTCATCATCAGATCCAAAGAGGTCAATGG
 CATCATCATCTTACTATCTGTAGTCCACTTCTGTAGTGTCTTCCACATCGGCAGGAC
 CATATTTGCCAAAGCTTTCTTCACTCCTGGCAGGCTGGCCTTTTCTTTTCGTAAGACT
 TGATGTGATTATACCAACGTANGGCATGACACAAAGTCGCAGGCGTGGGCTGGGACACNG
 CTTCAAATACTGCCACATCTGCTTGTGATGGCACATACCCTCGATGTAGCTCTTGTCCG
 CCAGGTAATCGTTGAGCACCTGGNAGGCCGAGGGCTTTTTTCAGTCTCCGAAACCATGGT
 GTCNGCTGTATCCGGAGCTGGGGACAGANAAAGAACGCGCAATTGGGGCCGCCACGCTG
 AGGAGAAAAAGACCNAAGACGNNAATTCTATTAAGACCGAGCGGTTCTCACCAGCGCG
 ACGAAGTAAGGCAAACTTTGCT

Restriction Sites:

NotI-NotI

ACCN:

NM_001959

Insert Size:

1070 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_001959.2](#), [NP_001950.1](#)

RefSeq Size: 961 bp

RefSeq ORF: 678 bp

Locus ID: 1933

UniProt ID: [P24534](#)

Cytogenetics: 2q33.3

Domains: EF1BD

Gene Summary: This gene encodes a translation elongation factor. The protein is a guanine nucleotide exchange factor involved in the transfer of aminoacylated tRNAs to the ribosome. Alternative splicing results in three transcript variants which differ only in the 5' UTR. [provided by RefSeq, Jul 2008]

Transcript Variant: This predominant variant (1) has a distinct 5' UTR. Variants 1, 2 and 3 encode the same protein.