

Product datasheet for SC115107

EIF2B2 (NM_014239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF2B2 (NM_014239) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF2B2
Synonyms:	EIF-2Bbeta; EIF2B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014239 edited
 CAGGTGTGGATTCCGCCGTGAAGGCTGAAGGCAGCTACGTTAAAGATGCCGGGATCCCG
 AGCGAAGGGCTCGGAGTTGTCAGAGAGGATCGAGAGCTTCGTGGAGACCCTGAAGCGGGG
 TGGTGGGCCGCGCAGCTCCGAGGAAATGGCTCGGGAGACCCTAGGGTTGCTGCGCCAGAT
 CATCACGGACCACCGCTGGAGCAACCGGGGGAGCTGATGGAGCTGATCCGCAGAGAGGG
 CAGGAGGATGACGGCCGCTCAGCCCTCCGAGACCACCGTGGGCAACATGGTGCGGAGAGT
 GCTCAAGATTATCCGGGAGGAGTATGGCAGACTCCATGGACGCAGCGACGAGAGTATCA
 GCAGGAGTCCCTGCACAACTGTTGACATCCGGAGGCCTAAACGAGGATTTAGCTTCCA
 TTATGCCCAACTCCAGTCCAACATCATTGAGGCGATTAATGAGCTGCTAGTGGAGCTGGA
 AGGACAATGGAGAACATTGCAGCCCAGGCTCTGGAGCACATTCCTCCAATGAGGTGAT
 CATGACCATTGGCTTCTCCCGAACAGTAGAGGCCTTCTCAAAGAGGCTGCCCGAAAGAG
 GAAATTCATGTCATTGTAGCAGAGTGTGCTCCTTTCTGCCAGGGTCATGAAATGGCTGT
 GAATTTGTCCAAAGCAGGTATTGAGACAACTGTCATGACTGATGCTGCCATTTTTGCCGT
 TATGTCAAGAGTCAACAAGGTGATCATTGGCACGAAGACCATCCTGGCCAATGGGGCCCT
 GAGAGCTGTGACAGGAACTCACACTCTGGCACTGGCAGCAAAACACCATTCCACCCCACT
 CATCGTCTGTGCACCTATGTTCAAACCTTCTCCACAGTCCCCAATGAAGAAGACTCATT
 TCATAAGTTTGTGGCTCCTGAAGAAGTCTGCCATTACAGAAGGGGACATTCTGGAGAA
 GGTGAGCGTGCATTGCCCTGTGTTTACTACGTTCCCCAGAGCTCATTACCCTTTTAT
 CTCCAACATTGGTGGGAATGCACCTTCTACATCTACCGCTGATGAGTGAACCTACCA
 TCCTGATGATCATGTTTTATGACCGACCACAGTGTCTAAGCAGATTGCTTAGGCAGAT
 ACAGAATGAAGAGGAGACTTGAGTGTGCTGCTGAAGCACATCCTTGCAATGTGGGAGTG
 CACAGGAGTCCACCTAAAAAAAATCCTTGATACTGTTGCCTGCTTTTTAGTACCCCC
 GTAACAAGGGCACACATCCAGCACTGTGCTTGCCTTTCAGATCTAACAGAGCAGCAGG
 GCTTAACCTGTTGATTTTGGAGCCTCTTAGTGACCTGGTTGCGTCTGTGTCAGGAACCTA
 AACTTTCTGGTTCAGTAGTGTGTTAAACATAAACTGAATACCTTACTGGGATACAGATT
 TTTGCTCAGAAATGGCTATGACACTTTTCTAGGCTCTACC



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014239 unedited CGTCANCAATTTGTATACGACTACTATAGGGCGGCCGGAATTCGCACGAGGCAGGTGTG GATTCCGCGCGTGAAGGCTGAAGGCAGCTACCTTAAAGAGCCGGGATCCGCAGCGAAGGG CTCGGAGTTGTCAGAGAGGATCGAGAGCTTCGTGGAGACCCTGAAGCGGGTGGTGGGCC GCGCAGCTCCNAGGAAATGGCTCGGGAGACCCTAGGGTTGCTGCGCCAGATCATCACGGA CCACCGCTGGAGCAACGCGGGGGAGCTGATGGAGCTGATCCGCANAGAGGGCAGGAGGAT GACGGCCGCTCAGCCCTCCGAGACCACCTGGGCAACATGGTGGGAGAGTGCTCAAGAT TATCCGGGAGGAGTATGGCAGACTCCATGGACGACGACNAGAGTGATCAGCAGGAGTC CCTGCACAAACTGTTGACATCCGGAGGCCTAAACGAGGATTTTCAGCTTCCATTATGCCCA ACTCCAGTCCAACATCATTGAGGCGATTAATGAGCTGCTAGTGGAGCTGGAAGGGACAAT GGAGAACATTGCAGCCCAGGCTCTGGAGCACATCACTCCAATGAGGTGATCATGACCAT TGGCTTCTCCCGAACAGTAGAGGCTTCCCTCANAGAGGCTGCCCGAAAGAGGAAATTCCA TGTCATTGTAGCAAAAGTGTCTCTTTCTGCCAGGGTCATGAAATGGCTGTNGAATTTG TCAAGCAGGTATTGAGACCACTGTCATGACTGATGCTGCCATTTTTCGCCGATGTCAG AGTCAACAGGGTATCATTGGCAGCAAGACCATCCTGGNCNATGGNNGCCTGGANAGCTG GGACAGGAACTCACTCTNGCACTGGCAGCANACACCATTCACCCACTCATNNGCTGTGC ACCTAGNTTCAACTTTTNCAGTCCAAAGAGAGAGAC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014239 unedited GTAACGCGGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGGTTTTTTTTTTT TTTTTTTTTTTTTTTTGAACCTTCAAGTGGGTTTTATTGGTAGAGCCTAAAAAAGTGT CATAACCAATTTCTGAGCAAAAATCTGTATCCCAATAAGGGATTCAGTGGTATGTTAACA CACTACTGAACCAAAAAGTTAAGTTCTGACACAAACCAACCAGGTCATAAAAGGGT CCAAAATCAACAAGTTAAGCCCTGCTGCTGTTAAAATCTGAAAGGCAAAACACAGTGC TGGATGTGTGCCCTTGTACGGGGGACTAAAAAGGCAGGCAACAGTATCAAGGATTTTT TTTTTAAGGGGACTCCTGTGCACTCCACATTGGAAGGATGTGCTTCAACAGCAACTC AAGTCTCCTCTTATTCTGGATCTGCCTAAACAATCTGCTTAAGACACGTGTGGGCGGGC ATAAAACATGATCATCAGGATGGGAGAGTTCACATCAAGCGGGAAATGTAAGAAAGGG CATTCCCACCAATGGTGGAGATAAAGAAGGTAATGAGCTCTGGGGAACTGTGCAACA CAGGGCAATGCACGCTGACCTTCTCCAAAATGTCCCTTCTGTGAATGGCAAGACTTCTT CAAGAGCCACAACTTATGAAATGAGTCTTCTTATTGGGGAACGTGGAGAAAGTTTGA ACATAAGTGCACAGACCATGAGTGGGGTGAATGGTGTGTTTGTGCCAGTGCCAAAGTGT GAGTTCCTGTACAGCTCTCAAGGGCCATTGGCCAAGATGGGTCTTNGTGCCAATGATC ACCTTGTGACTCTTGGCATTACGGGCAAAATGGCAGCATCAGTCATGAACAGTTGGTCA ATACTGCGTTGGACAAATTACAGCCATC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_014239
Insert Size:	1580 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_014239.1](#), [NP_055054.1](#)

RefSeq Size: 1522 bp

RefSeq ORF: 1056 bp

Locus ID: 8892

UniProt ID: [P49770](#)

Cytogenetics: 14q24.3

Domains: IF-2B

Gene Summary: This gene encodes the beta subunit of eukaryotic initiation factor-2B (EIF2B). EIF2B is involved in protein synthesis and exchanges GDP and GTP for its activation and deactivation. [provided by RefSeq, Aug 2011]