

Product datasheet for **SC115836**

SF3B2 (NM_006842) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SF3B2 (NM_006842) Human Untagged Clone
Tag:	Tag Free
Symbol:	SF3B2
Synonyms:	Cus1; SAP145; SF3b1; SF3B145; SF3b150
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_006842, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACGGAGCATCCCGAGCCTCCCAAAGCAGAATTGCAGCTGCCGCCGCCACCTCCAGGCCACT
ATGGCGCCTGGGCTGCCAGGAGCTTCAGGCCAAGTTGGCAGAGATCGGAGCTCCGATCCAGGGTAATCG
CGAGGAGCTGGTGGAGCGGCTGCAGAGCTACACCCGCCAGACTGGCATCGTGCTGAATCGGCCGGTTTTG
AGAGGGGAAGATGGGGACAAAGCCGCTCCACCTCCCATGTCGGCACAGCTCCCTGGAAATCCCATGCCAC
CACCACCTTTGGGACTCCCCCTCTGCAGCCTCCTCCGCCACCCCAACCCTCCACCAGGCCTTGGCCT
TGGCTTTCCTATGGCCCACCCACCAATTTGGGGCCCCGCTCCTCCTCGTGTGGGTGAGCCAGTGGCA
CTGTCAGAGGAGGAGCGGCTGAAGTTGGCTCAGCAGCAGGCGGCATTGCTGATGCAGCAGGAGGAGCGTG
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GGCCAGATTGGTGTGCGCACTCCTCTGGGTCTCGAGTAGCTGCTCCAGTGGGCCAGTGGGCCCACTC
CTACAGTTTTGCCCATGGGAGCCCTGTTCCCGGCCCTGTTGGTCCCCACCGCCCTGGAGATGAGAA
CAGAGAGATGGATGACCCCTCTGTGGGCCCAAGATCCCCAGGCTTTGGAGAAGATCCTGCAGCTGAAG
GAGAGCCGCCAGGAAGAGATGAATTCAGCAGGAGGAAGAGAAATGGAACAGATGCTCGCTCGTCCC
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AACGGGGCATTGAGAAGCCCCCTTCGAGCTGCCAGACTTCATCAAACGCACAGGCATCCAGGAGATGCG
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CAAGAAATATAAGGAGTTCAAGTTTTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006842 unedited
 TAGATTTGTATCCGACTTACTATAGGGCGGCCGGAATTCGGCACGAGCCTCGTGCCGAA
 TTCGGCACGAGGCGACGGAGCATCCCGAGCCTCCCAAAGCAGAATTGCAGCTGCCGCCGC
 CGCCACCTCCAGGCCACTATGGCGCCTGGGCTGCCCAGGAGCTTCAGGCCAAGTTGGCAG
 AGATCGGAGCTCCGATCCAGGGTAATCGCGAGGAGCTGGTGGAGCGGCTGCAGAGCTACA
 CCCGCCAGACTGGCATCGTGTGAATCGGCCGTTTGGAGAGGGGAAGATGGGGACAAAG
 CCGCTCCACCTCCCATGTCGGCACAGCTCCCTGGAATTCATGCCACCACCACCTTTGG
 GACTCCCCCTCTGCAGCCTCCTCGGCCACCCACCACCTCCACCAGGCCTTGGCCTTG
 GCTTTCCTATGGCCACCCACCAAAATTTGGGGCCCCGCCTCCTCCTCGTGTGGGTGAGC
 CAGTGGCACTGTGAGAGGAGGAGCGGCTGAAGTTGGCTCAGCAGCAGGCGGCATTGCTGA
 TGCAGCAGGAGGAGCGTCCCAAGCAGCAGGGAGATCATTGCTGAAGGAACATGAGCTCT
 TGGAGCAGCAGAAGCGGGCAGCTGTGTTACTGGAGCAGGAACGACAGCAGGAGATTGCCA
 AGATGGGCACCCAGTCCCTCGGCCCCACAAGACATGGGCCAGATTGGTGTGCCACTC
 CTCTGGGTCTCGAGTAGCTGCTCCAGTGGGCCAGTGGGCCCCACTCCTACAGTTTTGC
 CCCATGGGAGCCCCTGTTCCCGGCNCTCGTGGGTCCCCACCGCCNCTGGAGATGAG
 AACAGAGAGATGGATGACCCCTCTGTGGGCCCCAGATCCCAGGCTTGNAGAGAACCT
 GCAGCTGAAGGAGAGCCGCCAGAAGAGATGAANTCTCAGCAGGAGGAAGGGAATGGNA
 CAGATGCTNCGCTCGTCTGGGCCAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006842 unedited
 CAGTTTTTTTTACAAAACAGTCTAAATAAAAACATGAAAGACAAGTCTTGGAACTGCG
 GGAGAGGTGGTCTTGTGTGAAGCCAGGCATCCAGACGTAGGGCCAAAAAAGGCTAGT
 GTGAGGGGACCTAAAACCTGAACTCCTTATATTTCTTGCTGCCCCACGGCTGTCCTGGG
 GCTGAGCTTTCGGTTTTTTTTGCTTCTGTTTGGCAGCGTCTCAGCCACCATGCTACTGA
 AGTCTCCTTCTACTTACTGAGCCTGCTGCTCCCGCACATGCTCCTCATACTTCTGGGTCA
 TGGCCATAGGATCCAGCTCCAACCTTTCAGGCGCCAGCGCCACTTCCACACCTTGACAGT
 CAGGAGCCGGGCCCTCCGGTCCATAACCGTGGACATGTCATAAATGTGGGTTGATCCCA
 TCATGGCCCTCCAACAGTGGCTGTTCTTCTCTGGCAACACAGTGAAGAGCTGAGGTG
 TCTCACTCCGTCCATCGCCTCCTCAATCTTCTTCTCCTCAGCTCAATGAGTTCAGGGG
 TCTCCATTCCAGCAGGCACTGATGAAAAGCCTCCAGGAGTGATAAGGCCACTGTGACAG
 GGGTAATAAAGCCTGTCTCATNTGGTTTTGTCTTCACTTTCTCCTCTTCTCTTCTT
 CTGAGGATTCTTATCATATGGCCCCAGCCCCCAAGCGTTTCGCATAACCTCTTCTCC
 CCAGTCTGTCCCGACACTACACCTTGTTTCAAACATCCCCCTAGAGCGGTTCCCACT
 CTTATCCCTGGAGGTTTGGCCAGTACCACATGCACCCAAAGAACAGCTCTCACGAATGG
 CGAGTTATCCCAGGATTTACGTTGCGAACCATGGTGTGCTTACCGTGATGCGAAT
 AATCATGGGGAAGCACCTCGTGGATCTGCTCTGGTCCAACGAAATCTTACTCAACA
 AAACCTCCGGCTCTCCTTTAT

Restriction Sites:

NotI-NotI

ACCN:

NM_006842

Insert Size:

3370 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_006842.1](#), [NP_006833.1](#)

RefSeq Size: 2902 bp

RefSeq ORF: 2619 bp

Locus ID: 10992

UniProt ID: [Q13435](#)

Cytogenetics: 11q13.1

Domains: SAP, PSP, DUF382

Protein Pathways: Spliceosome

Gene Summary: This gene encodes subunit 2 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence-independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. Subunit 2 associates with pre-mRNA upstream of the branch site at the anchoring site. Subunit 2 also interacts directly with subunit 4 of the splicing factor 3b complex. Subunit 2 is a highly hydrophilic protein with a proline-rich N-terminus and a glutamate-rich stretch in the C-terminus. [provided by RefSeq, Jul 2008]