

Product datasheet for **SC106015**

SF3B2 (BC010372) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SF3B2 (BC010372) Human Untagged Clone
Tag:	Tag Free
Symbol:	SF3B2
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC010372, the custom clone sequence may differ by one or more nucleotides

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GGGGGCGCCTTCTGCGGCTAAGATGGCGACGGAGCATCCCGAGCCTCCCAAAGCAGAATTGCAGCTGCC
GCCGCCGCCACCTCCAGGCCACTATGGCGCCTGGGCTGCCCAGGAGCTTCAGGCCAAGTTGGCAGAGATC
GGAGCTCCGATCCAGGGTAATCGCGAGGAGCTGGTGGAGCGGCTGCAGAGCTACACCCGCCAGGTAGGTG
TTGGCGGGGGACGT CAGGATAGGCCGAGCTTCCAGGAGACCTATATACCCCATCACGGCTCGGTCT
TCATTCTTTCTTTATCTCGGCACAGCAAGGCGGAGGCTTGCCCTTTTTAGCTTGTCTTGCCTTTGCCAG
CTTAGTTGTAATTTCTTGTATCCATCTTGGTCCTTTCAGTGCCAGCCAGAGCGCTGGCAGACAGGCAC
TGGGTACGTTTTGTTGAATGAATTGGGAGCGAACGTCGTTTAGTGAAACAGCTAGTTTTGGACTGACCTA
GAGTCCTTTCTCTTTGCAGACTGGCATCGTGCTGAATCGGCCGTTTTGAGAGGGGAAGATGGGGACAA
AGCCGCTCCACCTCCCATGTCGGCACAGGTAGGGAGATTCTTCTGTTTTTAAGATTCCATCTGCTGATC
CTTTTGTAGTTCATGAGCATGATGATTGGGTGTTACGTGCATGTGTGAGATGTGACACCCTTGACATT
ACTCGCCTGACCTGAGTGGGGAAAAAAGATTCCATATGTTTCAGGGTAGCCCTTCTCTCACTTGCGAG
TTGTTGGGCAGGGAGGTACTGCCATGACAGAATTGTGAGCTCTTCAGTTCTCTTTGATGCTGACACTT
GCCTCCTTTTCCACTGTCTGCTTCTCCAAAAGCAGCTTGTGGCCGGTGCAGTGGCGCATGCCTGTAATC
CCACCACTTCGGGATGCTTAGATGGGACGATCGCTTGAAGCCAGGAGTTCGAGACCAGCCTGGGCAACAT
AGTGAGACTCTGTTACTACAAAAATTTAAAAATTAGCTGGGCACGGTGGCACGCGCCTATAAAGTCCC
TATAAAGAGGCTCAAGGATTGCTGGAGCCTGGGGTTGGAGGCTGCAGTGAGCTCTGTTGCGCCACTGT
ACTCCATGTA CTCCATCTGGGTGACAGAATGAGACTTTGCTTCTTTAAAAAAGGGGGGAGGTGAT
GGGGGAGGGGCTGGGAGAGTGT CAGAAAAATAGCTAATGCATGCCAGGCTTAATACTTAGGCAGTGGGT
TGATAGGTGCAGCAAACCACCATAGCACACATTTACCTATGTAACAAACCTGCGCATACTGCACATGTAC
CCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC010372 unedited TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTCGCGCGCCTTCT GCGGCTAAGATGGCGACGGAGCATCCCCGAGCTCCCAAAGCAGAATTGCAGCTGCCGCCG CCGCCACCTCCAGGCCACTATGGCGCCTGGGCTGCCAGGAGCTTCAGGCCAAGTTGGCA GAGATCGGAGCTCCGATCCAGGGTAATCGCGAGGAGCTGGTGGAGCGGCTGCAGAGCTAC ACCCGCCAGACTGGCATCGTGAATCGGCCGGTTTTGAGAGGGGAAGATGGGGACAAA GCCGCTCCACCTCCCATGTCGGCACAGCTCCCTGGAATTCATGCCACCACCACCTTTG GGACTCCCCCTCTGCAGCCTCCTCCGCCACCCACCACCTCCACCAGGCCTTGGCCTT GGCTTTCCTATGGCCACCCACCAATTTGGGGCCCCCGCCTCCTCTCCGTGTGGGTGAG CCAGTGGCACTGTGAGAGGAGGAGCGGCTGAAGTTGGCTCAGCAGCAGGCGGCATTGCTG ATGCGAGCAGGAGGAGCGTGCCAAGCAGCAGGGAGATCATTGCTGAAGGAACATGAGCTC TTGGAGCAGCAGAAGCGGGCAGCTGTGTTACTGGAGCAGGAACGACAGCAGGAGATTGCC AAGATGGGCACCCAGTCCCTCGGCCCCACAAGACATGGGCCAGATTGGTGTGCGCACT CCTCTGGGTCTCGAGTAGCTGCTCCAGTGGGCCCCAGTGGCCCCCTTACAGTTGCC CATGGGGAGCCCTGTTCCCGGCCCTCGTGTCCCCACC GCCCTGGAGAGAGACAGAGA GATGAGACCCCTCTGGGGCCCCAGATCCCCAGCTTGGGAAAAATCTGCACTGAAGAAAGC GCAGNANNAATGATCTCACAGAGAGAAAGAATGGAACGAGCCTCTCC
Restriction Sites:	NotI-NotI
ACCN:	BC010372
Insert Size:	3000 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:	<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>BC010372.1</u>
RefSeq Size:	1362 bp
RefSeq ORF:	1362 bp
Locus ID:	10992
Cytogenetics:	11q13.1
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]