

Product datasheet for **SC318368**

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
Vector:	<u>pCMV6 series</u>



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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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ATGGCGACGGAGCATCCCGAGCCTCCCAAAGCAGAATTGCAGCTGCCGCCGCCACCT
CCAGGCCACTATGGCGCCTGGGCTGCCAGGAGCTTCAGGCCAAGTTGGCAGAGATCGGA
GCTCCGATCCAGGGTAATCGCGAGGAGCTGGTGGAGCGGCTGCAGAGCTACACCCGCCAG
ACTGGCATCGTGCTGAATCGGCCGGTTTTGAGAGGGGAAGATGGGGACAAAGCCGCTCCA
CCTCCCATGTCGGCACAGCTCCCTGGAATTCCTATGCCACCACCACCTTTGGGACTCCCC
CCTCTGCAGCCTCTCCGCCACCCACCACCTCCACCAGGCCTTGGCCTTGGCTTTCCT
ATGGCCACCCACCAAATTTGGGGCCCCCGCTCCTCTCCGTGTGGGTGAGCCAGTGGCA
CTGTGAGAGGAGGAGCGGCTGAAGTTGGCTCAGCAGCAGGCGGCATTGCTGATGCAGCAG
GAGGAGCGTGCCAAGCAGCAGGGAGATCATTGCTGAAGGAACATGAGCTCTTGGAGCAG
CAGAAGCGGGCAGCTGTGTTACTGGAGCAGGAACGACAGCAGGAGATTGCCAAGATGGGC
ACCCAGTCCCTCGGCCCCACAAGACATGGGCCAGATTGGTGTGCGCACTCCTCTGGT
CCTCGAGTAGCTGCTCCAGTGGGCCAGTGGGCCCACTCCTACAGTTTTGCCATGGGA
GCCCTGTTCGCCGGCTCGTGGTCCCCACCGCCCCCTGGAGATGAGAACAGAGAGATG
GATGACCCTCTGTGGGCCCAAGATCCCCAGGCTTTGGAGAAGATCCTGCAGCTGAAG
GAGAGCCGCCAGGAAGAGATGAATTCTCAGCAGGAGGAAGAGAAATGGAACAGATGCT
CGCTCGTCCCTGGGCCAGTCAAGCTCAGAGACTGAGGAGGACACAGTGTCCGTATCTAAA
AAGGAGAAAAACCGGAAGCGTAGGAACCGAAAGAAGAAGAAAAAGCCCCAGCGGGTGCAG
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CCCAACTTTATCTTTAAGAGGATCTTTGAGGCTTTAAGCTCACTGATGATGTAAG
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AAGAAGGGATTTAAGAGGAGCACAAGGACAGTATGATGACAGCAGTATGACGAGCAG
GAAAAGAAGCCAGAAGCCCCAAGCTGTCCAAGAAGAAGTTGCGCCGAATGAACCGCTTC
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CCACGCCACTGGTGTTTAAGCGCAAATACCTGCAGGGCAAACGGGGCATTGAGAAGCCC
CCCTTCGAGCTGCCAGACTTCATCAAACGCACAGGCATCCAGGAGATGCGAGAGGCCCTG
CAGGAGAAGGAAGAACAAGACCATGAAGTCAAAAATGCGAGAGAAAGTTCCGGCTAAG
ATGGGCAAAATTGACATCGACTACCAGAACTGCATGATGCCTTCTTCAAGTGGCAGACC
AAGCCAAAGCTGACCATCCATGGGGACCTGACTATGAGGGGAAGGAGTTCGAGACACGA
CTGAAGGAGAAGAAGCCAGGAGATCTGTCTGATGAGCTAAGGATTTCTTGGGGATGCCA
GTAGGACCAAAATGCCACAAGGTCCCTCCCCATGGCTGATTGCCATGCAGCGATATGGA
CCACCCCATCGTATCCCAACCTGAAAATCCCTGGGCTGAACTCGCCATCCCTGAGAGC
TGTTCTTTGGGTACCATGCTGGTGGCTGGGGCAAACCTCCAGTGGATGAGACTGGGAAA
CCGCTCTATGGGACGTGTTTGAACCAATGCTGCTGAATTTAGACCAAGACTGAGGAA
GAAGAGATTGATCGGACCCCTTGGGGGAACTGGAACCATCTGATGAAGAATCCTCAGAA
GAAGAGGAAGGAAGAAAGTGAAGACAAACCAGATGAGACAGGCTTTATTACCCCT
GCAGACAGTGGCCTTATCACTCCTGGAGGCTTTTCATCAGTGCCTGCTGGAATGGAGACC
CCTGAACTCATTGAGCTGAGGAAGAAGAAGATTGAGGAGCGATGGACGGAAGTGAAGACA
CCTCAGCTCTTCACTGTGTTGCCAGAGAAGAGAACAGCCACTGTTGGAGGGGCCATGATG
GGATCAACCCACATTTATGACATGTCCACGGTTATGAGCCGGAAGGGCCCGGCTCCTGAG
CTGCAAGGTGTGGAAGTGGCGCTGGCGCCTGAAGAGTTGGAGCTGGATCCTATGGCCATG
ACCCAGAAGTATGAGGAGCATGTGCGGGAGCAGCAGGCTCAAGTAGAGAAGGAGGACTTC
AGTGACATGGTGGCTGAGCACGCTGCCAAACAGAAGCAAAAAAACGGAAGCTCAGCCC
CAGGACAGCCGTGGGGGAGCAAGAAATATAAGGAGTTCAAGTTT

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Restriction Sites: Please inquire

ACCN: NM_006842

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_006842.2 , NP_006833.2
RefSeq Size:	2902 bp
RefSeq ORF:	2688 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]