

Product datasheet for **SC116494**

SF3B4 (NM_005850) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SF3B4 (NM_005850) Human Untagged Clone
Tag:	Tag Free
Symbol:	SF3B4
Synonyms:	AFD1; Hsh49; SAP49; SF3b49
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005850, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCCGGGCCGATCTCCGAGCGGAATCAGGATGCCACTGTGTACGTGGGGGGCCTGGATGAGAAGG
TTAGTGAACCGTGTGTGGAACTGTTTCTCCAGGCTGGACCAGTAGTCAACACCCACATGCCAAAGGA
TAGAGTCACTGGCCAGCACCAAGGCTATGGCTTTGTGGAATTCTTGAGTGAGGAAGATGCTGACTATGCC
ATTAAGATCATGAACATGATCAAATCTATGGGAAGCCAATACGGGTGAACAAAGCATCAGCTCACAAACA
AAAACCTGGATGTAGGGGCCAACATTTTCATTGGGAACCTGGACCCTGAGATTGATGAGAAGTTGCTTTA
TGATACTTTAGCGCCTTTGGGGTCATCTTACAAACCCCAAAATATGCGGGACCTGACACAGGCAAC
TCCAAAGTTATGCCTTTATTAATTTTGCCTTCATTTGATGCTTCGGATGCAGCAATTGAAGCCATGAATG
GGCAGTACCTCTGTAACCGTCTATCACCGTATCTTATGCCTTCAAGAAGGACTCCAAGGGTGAGCGCCA
TGGCTCAGCAGCCGAACGACTTCTGGCAGCTCAGAACCCGCTCTCCAGGCTGATCGCCCTCATCAGCTG
TTTGCAGATGCACCTCCTCCACCCTCTGCTCCCAATCCTGTGGTATCATCATTGGGGTCTGGGCTTCCTC
CACCAGGCATGCCTCCTCCTGGCTCCTCCACCCCAAGTCCACCTCCTGGAGCCCTCCACCTGGGAT
ACCCCAAGCATGCCCAACACCTATGCCTCCTGGGGCTGCAGGACATGGCCCCCATCGGCAGGAACC
CCAGGGGCAGGACATCCTGGTCTATGGACACTCACATCCTCACCCATTCCACCCGGTGGGATGCCCATC
CAGGGATGTCTCAGATGCAGCTTGACACCATGGCCCTCATGGCTTAGGACATCCCACGCTGGACCCCC
AGGCTCTGGGGGCCAGCCACCGCCCGACCACCTGGAATGCCTCATCCTGGACCTCCTCCAATGGGC
ATGCCCAAGGAGGGCCTCCATTCGGATCTCCCATGGGTACCCAGGTCCTATGCCTCCGCATGGTATGC
GTGGACCTCCTCCACTGATGCCCAACATGGATACACTGGCCCTCCACGACCCCAACCTATGGCTACCA
GCGGGGGCCTCTCCCTCCACCCAGACCCACTCCCCGGCCACCAGTTCCCCTCGAGGCCCACTTCGAGGC
CCTCTCCCTCAGTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005850 unedited
TATACGACTCACTATAGGCGGCCGGAATTCGGCACGAGGCTCTTTCGCCATGGCTGCCG
GGCCGATCTCCGAGCGGAATCAGGATGCCACTGTGTACGTGGGGGGCCTGGATGAGAAGG
TTAGTGAACCGCTGCTGTGGAACTGTTTCTCCAGGCTGGACCAGTAGTCAACACCCACA
TGCCAAAGGATAGAGTCACTGGCCAGCACCAAGGCTATGGCTTTGTGGAATTCCTGAGTG
AGGAAGATGCTGACTATGCCATTAAGATCATGAACATGATCAAACCTATGGGAAGCCAA
TACGGGTGAACAAAGCATCAGCTCACAAACAAAACCTGGATGTAGGGGCCAACATTTTCA
TTGGGAACCTGGACCCTGAGATTGATGAGAAGTTGCTTTATGATACTTTACAGCCCTTTG
GGTCACTTTACAAACCCCAAAATTATGCGGGACCCTGACACAGGCAACTCCAAAGGTT
ATGCCTTTATTAATTTTCTTCACTTTGATGCTTCGGATGCAGCAATTGAAGCCATGAATG
GGCAGTACCTCTGTAACCGTCTATCACCGTATCTTATGCCTTCAAGAAGGACTCCAAGG
GTGAGCGCCATGGCTCANCAGCCGAACGACTTCTGGCAGCTCAGAACCCGCTCTCCAGG
CTGATCGCCCTCATCAGCTGNTTGCAGATGCACCTNCTCCACCTCTGCTCCCAATCCTG
TGGTATCATCATTGGGGTCTGGGGTCTCCTCCACCAGGCATGCCTTCTCTGGGGTCTCC
TTCACCCCCAGTGCCCTTCTTGGAGCCTCTCCACCTTGGGAATACCCCCAGACCAT
GCCCCACCACTTATGTCTCCTGGGGGTGCAAGAAATGGCCCCCATTGCAAGGAAC
CCCAGGGCAGGGACATCCTTGGNATGGGACACTACAATCCTCACCCATTCCCCGGGGG
GGGAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005850 unedited
GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAACAAGAGTTTAGTTTTATTTT
CTCTGTGCATTTGCAAAATACTCAGGACCAACATAAAAAAGAAATACCTCCTGTGGAAAA
AGTTACATTA AAAAGGGGAATGGAGTGGGGGTGCTGAAAGGGATTAGTACCTTTGCCCA
AGGAGCTACAGCATCTCTGATTGGTCCAAGGAATAGAAAAGATATTGGGAAAATGTAACA
GGAGGAAGGAAAATGTGAATTTACTGAGGGAGAGGGCCTCGAAGTGGCCCTCGAGGGGA
ACTGGTGGCCGGGAGTGGGTCTGGGTGGAGGGAGAGGCCCCCGTGGTAGCCATAGGGT
GGGGTCTGTGGAGGGCCAGTGTATCCATGGGGGGCATCAGTGGAGGAGTCCACGCATA
CCATGCGGAGGCATAGGACCTGGGTGACCCATGGGAGATCCGAATGGAGGCCCTCGGGGG
GGCATGCCATTGGAGGAGGTCCAGGATGAGGCATTCCAGGTGGTGGTGGGGGGCGGTGGC
TGGCCCCAGAGCCTGGGGTCCAGCGTGGGGATGTCCTAAGCCATGAGGGCCATGGTGT
GCAAGTGCATCTGAGACATCCCTGGATGGGGCATCCCACCNCGTGGGAATGGGTGAGGA
TGTGAGTGTCCATGACCAGGATGCTCCTGCCCTGGGGTCTCCTGCCATGGGGGCCATGT
CCTGCAGCCCCAGGAAGCATANGTGGTGGGGCATGGCTGGGGTATCCCCAGTGGGAGG
GCTTCANNGAGTGGCACTGGNGGNTGAAAGGAGCCAGNNAGCATGCCCTGNTGGAG
AAGNCCCAGACCCCATGATGATACCCACAGNATGGGGAGCANAGGTGAAGGAAGTGCAT
CTGCAAACTGATGAGGGCGATCACCTGGGAAAGCCGTTCTGACTGCCAAAAATCTTC
GGTGCTAACCATGGCCTACCTCTGAATCTTCTA

Restriction Sites:

NotI-NotI

ACCN:

NM_005850

Insert Size:

1430 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>NM_005850.3</u> , <u>NP_005841.1</u>
RefSeq Size:	2001 bp
RefSeq ORF:	2001 bp
Locus ID:	10262
UniProt ID:	<u>Q15427</u>
Cytogenetics:	1q21.2
Domains:	RRM
Protein Pathways:	Spliceosome
Gene Summary:	This gene encodes one of four subunits of the splicing factor 3B. The protein encoded by this gene cross-links to a region in the pre-mRNA immediately upstream of the branchpoint sequence in pre-mRNA in the prespliceosomal complex A. It also may be involved in the assembly of the B, C and E spliceosomal complexes. In addition to RNA-binding activity, this protein interacts directly and highly specifically with subunit 2 of the splicing factor 3B. This protein contains two N-terminal RNA-recognition motifs (RRMs), consistent with the observation that it binds directly to pre-mRNA. [provided by RefSeq, Jul 2008]