

Product datasheet for **RC210352**

SF3B4 (NM_005850) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SF3B4 (NM_005850) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SF3B4
Synonyms:	AFD1; Hsh49; SAP49; SF3b49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC210352 representing NM_005850
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCCGGGCCGATCTCCGAGCGGAATCAGGATGCCACTGTGTACGTGGGGGCCCTGGATGAGAAGG
 TTAGTGAACCGCTGCTGTGGGAAGTGTCTCCAGGCTGGACCAGTAGTCAACACCCACATGCCAAAGGA
 TAGAGTACTGGCCAGCACCAAGGCTATGGCTTTGTGGAATTCCTGAGTGAGGAAGATGCTGACTATGCC
 ATTAAGATCATGAACATGATCAAACCTCTATGGGAAGCCAATACGGGTGAACAAAGCATCAGCTCACAAACA
 AAAACCTGGATGTAGGGGCCAACATTTTCATTGGGAACCTGGACCCTGAGATTGATGAGAAGTTGCTTTA
 TGATACTTCAGCGCCTTTGGGGTCATCTACAAACCCCAAAATATGCGGGACCCTGACACAGGCAAC
 TCCAAAGTTATGCCTTTATAATTTTGTTCATTTGATGCTTCGGATGCAGCAATTGAAGCCATGAATG
 GGCAGTACCTCTGTAACCGTCTATCACCGTATCTTATGCCTCAAGAAGGACTCCAAGGGTGGAGGCCA
 TGGCTCAGCAGCCGAACGACTTCTGGCAGCTCAGAACCCGCTCTCCAGGCTGATCGCCCTCATCAGCTG
 TTTGCAGATGCACCTCCTCCACCCTCTGCTCCCAATCCTGTGGTATCATATTGGGGTCTGGGCTTCTCTC
 CACCAGGCATGCCTCCTCTGGCTCCTCCACCCCAAGTCCACCTCCTGGAGCCCTCCACCTGGGAT
 ACCCCAGCCATGCCCCACCACCTATGCCTCCTGGGGCTGCAGGACATGGCCCCCATCGGCAGGAACC
 CCAGGGGCAGGACATCCTGGTATGGACTCACATCCTCACCCATTCCACCGGGTGGGATGCCCATC
 CAGGGATGTCTCAGATGCAGCTTGACACCATGGCCCTCATGGCTTAGGACATCCCACGCTGGACCCCC
 AGGCTCTGGGGGCCAGCCACCGCCCGACCACCACTGGAATGCCTCATCCTGGACCTCCTCCAATGGGC
 ATGCCCCCCCAGGGCCTCCATTCGGATCTCCCATGGTCACTGGCCCTCCACGACCCCAACCCTATGGCTACCA
 GTGGACCTCCTCACTGATGCCCCCATGGATACACTGGCCCTCCACGACCCCAACCCTATGGCTACCA
 CGGGGGCCTCTCCTCCACCAGACCCACTCCCGGCCACCAGTTCCCCCTCGAGGCCCACTTCGAGGC
 CCTCTCCCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210352 representing NM_005850
 Red=Cloning site Green=Tags(s)

MAAGPISERNQDATVYVGGLEKDVSEPLLWELFLQAGPVVNTHMPKDRVTGQHQQYGFVEFLSEEDADYA
 IKIMMIKLYGKPIRVNKASAHNKNLDVGANIFIGNLDPEIDEKLLYDTFSAFGVILQTPKIMRDPDTGN
 SKGYAFINFASFDASDAIEAMNGQYLCNRPITVSYAFKKDSKGERHGSAAERLLAAQNPLSQADRPQL
 FADAPPPPSAPNPVVSSLGSLPPPGMPPPGSFPPPVPPPGALPPGIPPAMPPPPMPPGAAGHGPPSAGT
 PGAGHPGHGSHPHFPFPPGMPHPGMSQMLAHHGPHGLGHPHAGPPSGGQPPPPPPGMPHPGPPPMG
 MPPRGPPFPGSPMHPGMPHPHMRGPPPLMPPHYTGPPRPPPYQGRPLPPRPTPRPPVPRGFLRG
 PLPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8114_e04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_005850

ORF Size: 1272 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_005850.5](#)

RefSeq Size: 2001 bp

RefSeq ORF: 1275 bp

Locus ID: 10262

UniProt ID: [Q15427](#)

Cytogenetics: 1q21.2

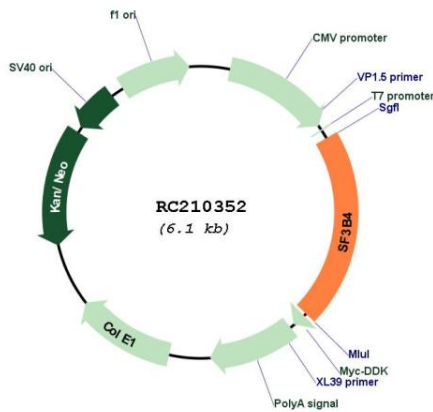
Domains: RRM

Protein Pathways: Spliceosome

MW: 44.4 kDa

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]

Product images:



Circular map for RC210352