

Recombinant Full Length Human SF3B3 Protein, C-Flag-tagged

Cat. No. SF3B3-71HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SF3B3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes subunit 3 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 3 has also been identified as a component of the STAGA (SPT3-TAF(II)31-GCN5L acetylase) transcription coactivator-HAT (histone acetyltransferase) complex, and the TFTC (TATA-binding-protein-free TAF(II)-containing complex). These complexes may function in chromatin modification, transcription, splicing, and DNA repair.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	135.4 kDa
AA Sequence	MFLYNLTLQRATGISFAIHGNFSGTKQQEIVVSRGKILELLRPDPNTGKVHTLLTVEVF GVIRSLMAFRL TGGTKDYIVVGSDSGRIVILEYQPSKNMFEKIHQETFGKSGCRRIVP

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GQFLAVDPKGRAVMISAIEKQKL VYILNRDAAARLTISSPLEAHKANTLVYHVVGVDV
 GFENPMFACLEMDYEEADNDPTGEAAANTQQTLTF YELDLGLNHVVRKYSEPLEE
 HGNFLITVPGGSDGPSGVLICSENYITYKNFGDQPDIRCPIPRRRNDLDD PERGMIF
 VCSATHKTKSMFFSLAQTEQGDIKITLETDEDMVTEIRLKYFDTVPVAAAMCVLKTG
 FLFVA SEFGNHLYQIAHLGDDDEEPEFSSAMPLEEGDTFFFQPRPLKNLVLVDELD
 SLSPILFCQIADLANEDT PQLYVACGRGPRSSLRLVRHGLEVSEMAVSELPGNPNAV
 WTVRRHIEDEFDAYIIVSFVNATLVLSIGET VEEVTD SGFLGTTPTLSCSLLGDDALV
 QVYPDGIRHIRADKRVNEWKTPGKKTIVKCAVNQRQVVIALTG GELVYFEMDPSPGQ
 LNEYTERKEMSADVCMISLANVPPGEQSRFLAVGLVDNTVRIISLDPDCLQPLSM
 QALPAQPESLCIVEMGGTEKQDELGERGSIGFLYLNIQLQNGVLLRTVLDPVTGDLS
 DTRTRYLGSRPVK LFRVRMQGQEAVLAMSSRSWLSYSYQSRFHLTPLSYETLEFA
 SGFASEQCPEGIVAISTNTLRILALEKL GAVFNQVAFPLQYTPRKFSIHVESNNLIIET
 DHNAYTEATKAQRKQQMAEEMVEAAGEDERELAAEMAA AFLNENLPESIFGAPKA
 GNGQWASVIRVMNPIQGNTLDLVQLEQNEAAFSVAVCRFSNTGEDWYVLVGVA KD
 LILNPRSVAGGFVYTYKLVNNGEKLEFLHKTPVEEVPAAIAPFQGRVLIGVGKLLRVY
 DLGKKLLRK CENKHIANYISGIQTIGHRVIVSDVQESFIWVRYKRNNQLIIFADDTY
 PRWVTTASLLDYDTVAGADKF GNICVVRLPPNTNDEVEDPTGNKALWDRGLLNG
 ASQKAEVIMNYHVGETVLSLQKTTLIPGGSESLVYT TSGGIGILVPFTSHEDHDFEQ
 HVEMHLRSEHPPLCGRDHLSFRSYFFPVKNVIDGDLCEQFNSMEPNKQ
 KNVSEELDRTPPEVSKKLEDIRTRYAFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.

Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Spliceosome
Full Length	Full L.

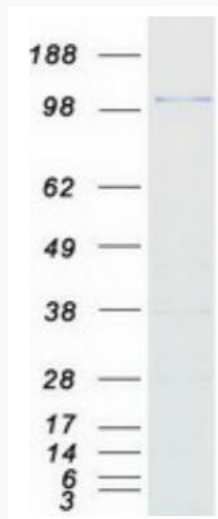
GENE INFORMATION

Gene Name	SF3B3 splicing factor 3b subunit 3 [Homo sapiens (human)]
Official Symbol	SF3B3
Synonyms	RSE1; SAP130; SF3b130; STAF130
Gene ID	23450
mRNA Refseq	NM_012426.5
Protein Refseq	NP_036558.3
MIM	605592
UniProt ID	Q15393

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Coomassie blue staining of purified SF3B3 protein.

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