Recombinant Full Length Human SF3B2 Protein, C-Flag-tagged

Cat. No. SF3B2-739HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SF3B2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	100 kDa
AA Sequence	MATEHPEPPKAELQLPPPPPPGHYGAWAAQELQAKLAEIGAPIQGNREELVERLQS YTRQTGIVLNRPVL RGEDGDKAAPPPMSAQLPGIPMPPPPLGLPPLQPPPPPPPPPP PGLGLGFPMAHPPNLGPPPPLRVGEPVA LSEEERLKLAQQQAALLMQQEERAKQQ

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	GDHSLKEHELLEQQKRAAVLLEQERQQEIAKMGTPVPRPPQDM GQIGVRTPLGPR VAAPVGPVGPTPTVLPMGAPVPRPRGPPPPPGDENREMDDPSVGPKIPQALEKILQ LK ESRQEEMNSQQEEEEMETDARSSLGQSASETEEDTVSVSKKEKNRKRRNRKK KKKPQRVRGVSSESSGDR EKDSTRSRGSDSPAADVEIEYVTEEPEIYEPNFIFFKRI FEAFKLTDDVKKEKEKEPEKLDKLENSAAPK KKGFEEEHKDSDDDSSDDEQEKKPE APKLSKKKLRRMNRFTVAELKQLVARPDVVEMHDVTAQDPKLLVH LKATRNSVPVP RHWCFKRKYLQGKRGIEKPPFELPDFIKRTGIQEMREALQEKEEQKTMKSKMREKV RPK MGKIDIDYQKLHDAFFKWQTKPKLTIHGDLYYEGKEFETRLKEKKPGDLSDELR ISLGMPVGPNAHKVPP PWLIAMQRYGPPPSYPNLKIPGLNSPIPESCSFGYHAGGW GKPPVDETGKPLYGDVFGTNAAEFQTKTEE EEIDRTPWGELEPSDEESSEEEEEEE SDEDKPDETGFITPADSGLITPGGFSSVPAGMETPELIELRKKK IEEAMDGSETPQLF TVLPEKRTATVGGAMMGSTHIYDMSTVMSRKGPAPELQGVEVALAPEELELDPMA M TQKYEEHVREQQAQVEKEDFSDMVAEHAAKQKQKKRKAQPQDSRGGSKKYKEFK FTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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

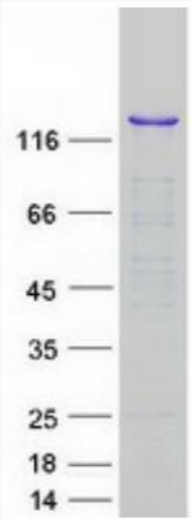
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Full Length	Full L.

GENE INFORMATION

Gene Name	SF3B2 splicing factor 3b subunit 2 [Homo sapiens (human)]
Official Symbol	SF3B2
Synonyms	CFM; Cus1; SF3b1; SAP145; SF3B145; SF3b150
Gene ID	10992
mRNA Refseq	NM_006842.3
Protein Refseq	NP_006833.2
MIM	605591
UniProt ID	Q13435

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Coomassie blue staining of purified SF3B2 protein.

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