

Recombinant Human SF3B2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SF3B2-5388H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SF3B2 MS Standard C13 and N15-labeled recombinant protein (NP_006833) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	100.7 kDa
AA Sequence	MATEHPEPPKAELQLPPPPPPGHYGAWAAQELQAKLAEIGAPIQGNREELVERLQS YTRQTGIVLNRPVLRGEDGDKAAPPPMSAQLPGIPMPPPLGLPPLQPPPPPPPPPP GLGLGFMAHPPNLGPPPLRVGEPVALSEEERLKLAQQQAALLMQQEERAKQQG DHSLKEHELLEQQKRAAVLLEQERQQEIAKMGTPVPRPPQDMGQIGVRTPLGPRVA

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APVGPVGPTPTVLPMGAPVPRPRGPPPPPGDENREMDDPSVGPKIPQALEKILQLK
ESRQEEMNSQQEEEEEMETDARSSLGQSASETEEDTVSVSKKEKNRKRNRKRRNRK
PQVRVGVSSSESSGDREKDSTRSRGSDSPAADVEIEYVTEEPEIYEPNFIFFKRIFEAF
KLTDDEVKKEKEKEPEKLDKLENSAAPKKKGFEEEHKDSDDSSDDEQEKKPEAPKL
SKKKLRRMNRFVLAELKQLVARPDVEMHDVTAQDPKLLVHLKATRNSVPVPRHW
CFKRKYLQGKRGIEKPPFELPDFIKRTGIQEMREALQEKEEQKTMKSKMREKVRPK
MGKIDIDYQKLHDAFFKWQTKPKLTIHGDLYYEGKEFETRLKEKKPGDLSDELRLSLG
MPVGPNAHKVPPPWLAMQRYGPPPSYNLKIPLNSPIPESCSFGYHAGGWGKPP
VDETGKPLYGDFGTNAAEFQTKTEEEEIDRTPWGELEPSDEESSEEEEEEEESDED
KPDETFITPADSGLITPGGFSSVPAGMETPELIELRKKKIEEAMDGSETPQLFTVLP
EKRTATVGGAMMGSTHIYDMSTVMSRKGPAPELQGVEVALAPEELELDPMAMTQK
YEEHVREQQAQVEKEDFSDMVAEHAAKQKQKKRKAQPQDSRGGSKKYKEFKFTR
TRPLEOKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SF3B2 splicing factor 3b subunit 2 [Homo sapiens (human)]
Official Symbol	SF3B2

Synonyms

SF3B2; splicing factor 3b, subunit 2, 145kDa; splicing factor 3b, subunit 2, 145kD; splicing factor 3B subunit 2; Cus1; SAP145; SF3b1; SF3b145; SAP 145; spliceosome associated protein 145; spliceosome-associated protein 145; pre-mRNA splicing factor SF3b 145 kDa subunit; pre-mRNA-splicing factor SF3b 145 kDa subunit; SF3B145; SF3b150;

Gene ID

[10992](#)

mRNA Refseq

[NM_006842](#)

Protein Refseq

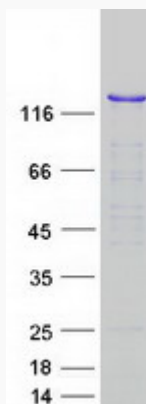
[NP_006833](#)

MIM

[605591](#)

UniProt ID

[Q13435](#)

SDS-PAGE


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