

Recombinant Human SF3B3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SF3B3-2248H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SF3B3 MS Standard C13 and N15-labeled recombinant protein (NP_036558) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	135.5 kDa
AA Sequence	MFLYNLTLQRATGISFAIHGNFSGTKQQEIVVSRGKILELLRPDPNTGKVHTLLTVEVF GVIRSLMAFRLTGGTKDYIVVGSDSGRIVILEYQPSKNMFEKIHQETFGKSGCRRIVP GQFLAVDPKGRAVMISAIEKQKLVIYILNRDAAARLTISSPLEAHKANTLVYHVVGVDV

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GFENPMFACLEMDYEEADNDPTGEEAANTQQTLTFYELDLGLNHVVRKYSEPLEEH
 GNFLITVPGGSDGPSGLICSENYITYKNFGDQPDIRCIPIRRRNDLDDPERGMIFVC
 SATHKTKSMFFSLAQTEQGDIFKITLETDEDMVTEIRLKYFDTVPVAAAMCVLKTGFL
 FVASEFGNHLYQIAHLGDDDEEPEFSSAMPLEEGDTFFFQPRPLKNLVLVDELDSL
 SPILFCQIADLANEDTPQLYVACGRGPRSSLRVLRHGLEVSEMAVSELPGNPNAVW
 TVRRHIEDEFDAYIIVSFVNATLVLSIGETVEEVTDSGFLGTTPTLSCSLLGDDALVQV
 YPDGIRHIRADKRVNEWKTPGKKTIVKCAVNQRQVVIALTGGELVYFEMDPSGQLNE
 YTERKEMSADVVCMSLANVPPGEQRSRFLAVGLVDNTVRIISLDPSDCLQPLSMQAL
 PAQPESLCIVEMGGTEKQDELGERGSIGFLYLNIGLQNGVLLRTVLDPVTGDLSDTR
 TRYLGSRPVKLFVRVMQGGQEAFLAMSSRSWLSYSYQSRFHLTPLSYETLEFASGFA
 SEQCPEGIVAISTNTRLRLALEKLGAVFNQVAFPLQYTPRKFVIHPESNNLIIETDHNA
 YTEATKAQRKQQMAEEMVEAAGEDERELAAEMAAAFNLNLPESIFGAPKAGNGQ
 WASVIRVMNPIQGNTLDLVQLEQNEAAFSVAVCRFSNTGEDWYVLVGVAKDLILNPR
 SVAGGFVYTYKLVNNGEKLEFLHKTPVEEVPAAIAPFQGRVLIGVGKLLRVYDLGKK
 KLLRKCCENKHIANYSISGIQTIGHRVIVSDVQESFIWVRYKRNNQLIIFADDTYPRWVT
 TASLLDYDTVAGADKFGNICVVRLPPNTNDEVDEDPTGNKALWDRGLLNGASQKAE
 VIMNYHVGETVLSLQKTTLIPGGSESLVYTTLSGGIGILVPFTSHEDHDFQHVEMHL
 RSEHPPLCGRDHLSFRSYYFPVKNVIDGDLCEQFNSMEPNKQKNVSEELDRTPPEV
 SKKLEDIRTRYAFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

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GENE INFORMATION

Gene Name SF3B3 splicing factor 3b subunit 3 [Homo sapiens (human)]

Official Symbol SF3B3

Synonyms SF3B3; splicing factor 3b, subunit 3, 130kDa; splicing factor 3b, subunit 3, 130kD; splicing factor 3B subunit 3; KIAA0017; RSE1; SAP130; SF3b130; SAP 130; spliceosome-associated protein 130; pre-mRNA-splicing factor SF3b 130 kDa subunit; pre-mRNA splicing factor SF3b, 130 kDa subunit; STAF130;

Gene ID 23450

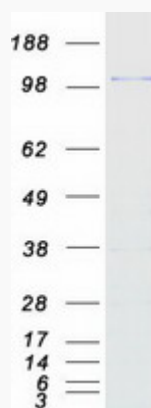
mRNA Refseq NM_012426

Protein Refseq NP_036558

MIM 605592

UniProt ID Q15393

SDS-PAGE



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