

Product datasheet for PH309509

SF3B3 (NM_012426) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SF3B3 MS Standard C13 and N15-labeled recombinant protein (NP_036558)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209509
Predicted MW:	135.5 kDa
Protein Sequence:	>RC209509 protein sequence Red=Cloning site Green=Tags(s)

MFLYNLTLQRATGISFAIHGNFSGTKQQEIVVSRGKILELLRPDPNTGKVHTLLTVEVFGVIRSLMAFRL
TGGTKDYIVVGSDSGRIVILEYQPSKNMFEKIHQETFGKSGCRRIVPGQFLAVDPKGRAVMSAIEKQKL
VYILNRDAAAARLTISSPLEAHKANTLVYHVGVGVDFENPMFACLEMDYEEADNDPTGAAAANTQQTLTF
YELDLGLNHVVRKYSEPLEEHGNFLITVPGGSDGPGSVLICSENYITYKNFGDQPDIRCPIPRRRNDLDD
PERGMIFVCSATHKTKSMFFSLAQTEQGDIFKITLETDEDMVTEIRLKYFDTVPVAAAMCVLKTGFLFVA
SEFGNHLYQIAHLGDDDEEPEFSSAMPLEEGDTFFFQPRPLKNLVLVDELDSLPIFCQIADLANEDT
PQLYVACGRGPRSSRLVLRHGLEVSEMAVSELPGNPNAVWTVRRHIEDEFDAYIIVSFDVATLVLISGET
VEEVTDSGFLGTTPTLSCSLLGDDALVQVYPDGIRHIRADKRVNEWKTPGKKTIVKCAVNQRQVVIALTG
GELVYFEMDPGQLNEYTERKEMSADVCMMLANVPPGEQRSFLAVGLVDNTVRIISLDPDCLQPLSM
QALPAQPESLCEIVEMGGTEKQDELGERGSIQGLYLNIQLQNGVLLRVTLDVPTGDLSDTRTRYLGSRPVK
LFRVRMQQEAVLAMSSRWLSYSYQSRFHLTPLSYETLEFASGFASEQCPEGIVAISTNTRLRLALEKL
GAVFNQVAFPLQYTPRFVIHPESNNLIIETDHNAYTEATKAQRKQMAEEMVEAAGEDERELAAEMAA
AFLNENLPESIFGAPKAGNGQWASVIRVMNPIQNTLDLVQLEQNEAAFSVAVCRFSNTGEDWYVLVGA
KDLILNPRSVAGGFVYTYKLVNNGEKLEFLHKTPVEEVPAAIAPFQGRVLIGVGKLLRVYDLGKKLLRK
CENKHIANYISGIQTIGHRVIVSDVQESFIWVRYKRNNQLIIFADDTYPRWTTASLLDYDTVAGADKF
GNICVVRLPPNTNDEVEDPTGNKALWDRGLLNGASQKAEVIMNYHVGETVLSLQKTTLIPGGSESLVYT
TLGGIGILVPFTSHEDHDFQHVEMHLRSEHPPLCGRDHL SFRSYYFPVKNVIDGDLCEQFNSMEPNKQ
KNVSEELDRTPPEVSKKLEDIRTRYAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_036558
RefSeq Size:	9736
RefSeq ORF:	3651
Synonyms:	RSE1; SAP130; SF3b130; STAF130
Locus ID:	23450
UniProt ID:	Q15393 , A8K6V3
Cytogenetics:	16q22.1

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Pathways: Spliceosome

Product images:



Coomassie blue staining of purified SF3B3 protein (Cat# [TP309509]). The protein was produced from HEK293T cells transfected with SF3B3 cDNA clone (Cat# [RC209509]) using MegaTran 2.0 (Cat# [TT210002]).