

Product datasheet for TP309509

SF3B3 (NM_012426) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human splicing factor 3b, subunit 3, 130kDa (SF3B3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209509 protein sequence Red =Cloning site Green =Tags(s)

MFLYNLTLQRATGISFAIHGNFSGTKQQEIVSRGKILELLRPDPNTGKVHTLLTVEVFGVIRSLMAFRL
TGGTKDYIVGSDSGRIVILEYQPSKNMFEKIHQETFGKSGCRRIVPGQFLAVDPKGRAVMISAIEKQKL
VYILNRDAAARLTISSPLEAHKANTLVYHVVGVDVGFENPMFACLEMDYEEADNDPTGEAAANTQQTLTF
YELDGLNHVVRKYSEPLEEHGNFLITVPGGSDGPSGLICSENYITYKNFGDQDIRCPIRRRNDLDD
PERGMIFVCSATHKTKSMFFSLAQTEQGDIKITLETDEDMVTEIRLKYFDTVPVAAAMCVLKTGFLFVA
SEFGNHLYQIAHLGDDDEEPEFSSAMPLEEGDTFFFQPRPLKNLVLVDELDSLSPILFCQIADLANEDT
PQLYVACGRGPRSSLRVLRHGLEVSEMAVSELPGNPNAVWTVRRHIEDEFDAYIIVSFVNATLVLSIGET
VEEVTDSGFLGTTPTLSCSLLGDDALVQVYPDGIRHIRADKRVNEWKTPGKKTIVKCAVNQRQVVIALTG
GELVYFEMDPSGQLNEYTERKEMSADVCMVSLANVPPGQSRFLAVGLVDNTVRIISLDPDCLQPLSM
QALPAQPESLCIVEMGGTEKQDELGERGSIGFLYLNIQNGVLLRVLDPVTGDLSDTRTRYLGSRPVK
LFRVRMGGQEAFLAMSSRSWLSYSYQSRFHLTPLSYETLEFASGFASEQCPEGIVAISTNTRLRLALEKL
GAVFNQVAFPLQYTPRKFEVIHPESNLIIEEDHNAYTEATKAQRKQMAEEMVEAAGEDERELAAEMAA
AFLNENLPESIFGAPKAGNGQWASVIRVMNPIQGNTLDLVQLEQNEAAFSVAVCRFSNTGEDWYVLVGV
A
KDLILNPRSVAGGFVYTYKLVNNGEKLEFLHKTPEVEVPAAIAPFQGRVLIGVGKLLRVYDLGKKKLLRK
CENKHIANYISGIQTIGHRVIVSDVQESFIWVRYKRNNQLIIFADDTYPRWVTASLLDYDTVAGADKF
GNICVRLPPNTNDEVEDPTGNKALWDRGLLNGASQKAEVIMNYHVGETVLSLQKTTLIPGGSESLVYT
TLGGGIGILVPFTSHEDHDFQHVEMHLRSEHPPLCGRDHLSFRSYFPVKNVIDGDLCEQFNSMEPNKQ
KNVSEELDRTPPEVSKKLEDIRTRYAF

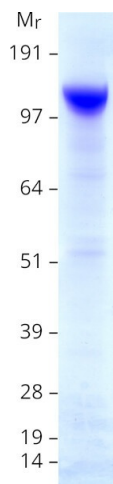
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	135.4 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method



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Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036558
Locus ID:	23450
UniProt ID:	Q15393
RefSeq Size:	9736
Cytogenetics:	16q22.1
RefSeq ORF:	3651
Synonyms:	RSE1; SAP130; SF3b130; STAF130
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]).