

## Product datasheet for **TP309509L**

### SF3B3 (NM\_012426) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human splicing factor 3b, subunit 3, 130kDa (SF3B3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209509 protein sequence Red=Cloning site Green=Tags(s)

MFLYNLTLQRATGISFAIHGNFSGTKQQEIVSRGKILELLRPDPNTGKVHTLLTVEVFGVIRSLMAFRL  
TGGTKDYIVVGS DSGRIVILEYQPSKNMFEKIHQETFGKSGCRRIVPGQFLAVDPKGRAVMISAIEKQKL  
VYILNRDAAARLTISSPLEAHKANTLVYHVVGVDVGFENPMFACLEMDYEEADNDPTGEAAANTQQTLT  
YELDLGLNHVVRKYSEPLEEHGNFLITVPGGSDGPSGLICSENYITYKNFGDQPDIRCIPIRRRNDLDD  
PERGMIFVCSATHKTKSMFFSLAQTEQGDIFKITLETDEDMVTEIRLKYFDTVPVAAAMCVLKTGFLFVA  
SEFGNHYLYQIAHLGDDDEEPEFSSAMPLEEGDTFFFQPRPLKNLVLVDELDSLPIFCQIADLANEDT  
PQLYVACGRGPRSSLRVLRHGLEVSEMAVSELPGNPNAVWTVRRHIEDEFDAYIIVSFVNATLVLSIGET  
VEEVTDSGFLGTTPTLSCSLLGDDALVQVYPDGIRHIRADKRVNEWKTPGKKTIVKCAVNQRQVIALTG  
GELVYFEMDPSGQLNEYTERKEMSADVVCMSLANVPPGEQRSRFLAVGLVDNTVRIISLDPSDCLQPLSM  
QALPAQPESLCIVEMGGTEKQDELGERGSIGFLYLNIQLQNGVLLRVLDPVTGDLSDTRTRYLGSRPVK  
LFRVRMQGQEAFLAMSSRSWLSYSYQSRFHLTPLSYETLEFASGFASEQCPEGIVAISTNTRLILALEKL  
GAVFNQVAFPLQYTPRKFIHPESNNLIIETDHNAYTEATKAQRKQMAEEMVEAAGEDERELAAEMAA  
AFLNENLPESIFGAPKAGNGQWASVIRVMNPIQGNTLDLVQLEQNEAAFSVAVCRFSNTGEDWYVLVGV  
KDLILNPRSVAGGFVYTYKLVNNGEKLEFLHKTPVEEVPAAIAPFQGRVLIGVGKLLRVYDLGKKLLRK  
CENKHIANYISGIQTIGHRVIVSDVQESFIWVRYKRNNQLIIFADDTYPRWTTASLLDYDTVAGADKF  
GNICVVRPNTNDEVEDPTGNKALWDRGLNGASQKAEVIMNYHVGETVLSLQKTTLIPGGSES LVYT  
TLSGGIGILVPFTSHEDHDFQHVEMHLRSEHPPLCGRDHLSFRSYFPVKNVIDGDLCEQFNSMEPNKQ  
KNVSEELDRTPPEVSKKLEDIRTRYAF

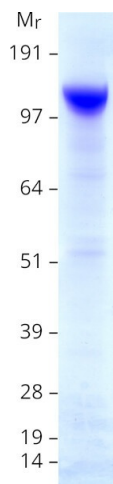
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	135.4 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_036558</a>
<b>Locus ID:</b>	23450
<b>UniProt ID:</b>	<a href="#">Q15393</a> , <a href="#">A8K6V3</a>
<b>RefSeq Size:</b>	9736
<b>Cytogenetics:</b>	16q22.1
<b>RefSeq ORF:</b>	3651
<b>Synonyms:</b>	RSE1; SAP130; SF3b130; STAF130
<b>Summary:</b>	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]
<b>Protein Pathways:</b>	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]).