

Product datasheet for **TP319605**

SAP155 (SF3B1) (NM_012433) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human splicing factor 3b, subunit 1, 155kDa (SF3B1), transcript variant 1, full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by RC219605 Blue=ORF Red=Cloning site Green=Tag(s)

MAKIAKTHEDIEAQIREIQGKKAALDEAQGVGLDSTGGYDQEIYGGSDSRFAGYVTSIAATELEDDDDD
YSSSTSLGQKKPGYHAPVALLNDIPQSTEQYDPFAEHRPPKIADREDEYKHKHRRMTIISPERLDPFAD
GGKTPDPKMNARTYMDVMREQHLTKEEREIRQQLAEKAKAGELKVVNGAAASQPPSKRKRWDQTADQT
PGATPKKLSSWDQAETPGHTPSLRWDETGPRAKGSETPGATPGSKIWDPTPSHTPAGAATPGRGDTPGH
ATPGHGGATSSARKNRWDETTPKTERDTPGHGSGWAETPRTDRGGDSIGETPTPGASKRKSRWDETPASQ
MGGSTPVLTPGKTPIGTPAMNMATPTPGHIMSMTPEQLQAWRWEREIDERNRPLSDEELDAMFPEGYKV
LPPPAGYVPIRTPARKLTATPTPLGGMTGFHMQTEDRTMKSVNDQPSGNLPLFKPDDIQYFDKLLVDVD
ESTLSPEEQKERKIMKLLKIKNGTPPMRKAALRQITDKAREFGAGPLFNQILPLLMSPITLEDQERHLL
VKVIDRILYKLDLVRPYVHKILVWIEPLLEDYARVEGREIISNLAKAAGLATMISTMRPDIDNMD
EYVRNTTARAFVVASALGIPSLPFLKAVCKSKKSWQARHTGKIVQQIAILMGCAILPHLRSLVEII
EHGLVDEQQKVRTISALAIALAEAAATPYGIESFDSVLKPLWKGIRQHRGKGLAAFLKAIGYLIPLMDA
EYANYTREVMLILIREFQSPDEEMKKIVLVKQCCGTDGVEANYIKTEILPPFFKHFQHRMALDRR
NYRQLVDTTVELANKVGAAEISRVDDLKDEAEQYRKMVMETIEKIMGNLGAADIDHKLEEQLIDGIL
YAFQEQTEDSVMLNGFGTVVNALGKRVKPYLPQICGTVLWRLNNSAKVRQQAADLISRTAVVMKTCQ
EEKLMGHLGVVLYEYLGEEYPEVLGSILGALKAIVNVIGMHKMTPIKDLLPRLTPILKNRHEKVQENC
IDLVGRIADRGAEYVSAREWMRICFELLELLKAHKKAIRRVNTFGYIAKAIGPHDVLATLLNLLKVKQ
ERQNRVCTTVAIIVAETCSPFTVLPALMNEYRVPENLVQNGVLKLSFLFEYIGEMGKDIYAVTPLL
EDALMDRDLVHRQTASAVVQHMSLGVYGFCEDSLHLLNYVWPNVFETSPHVIQAVMGALEGLRVAIG
PCRMLQYCLQGLFHPARKVRDVYWKIYNSIYIGSQDALIAHPRIYNDKNTYIRYELDYIL
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC219605 also available, [TP319605](#)

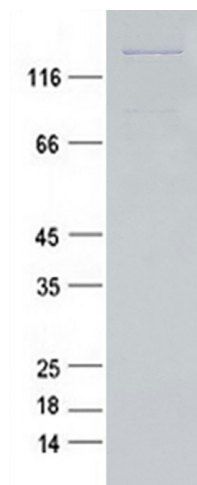
Tag:	C-Myc/DDK
Predicted MW:	145.8 kDa



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Concentration:	>50 ug/mL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25mM Tris-HCl, pH7.3, 100mM glycine, 10% glycerol
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036565
Locus ID:	23451
UniProt ID:	O75533 , B4DGZ4
RefSeq Size:	4338
Cytogenetics:	2q33.1
RefSeq ORF:	3912
Synonyms:	Hsh155; MDS; PRP10; PRPF10; SAP155; SF3b155
Summary:	This gene encodes subunit 1 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. The carboxy-terminal two-thirds of subunit 1 have 22 non-identical, tandem HEAT repeats that form rod-like, helical structures. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Protein Pathways:	Spliceosome

Product images:



Coomassie blue staining of purified SF3B1 protein (Cat #TP319605). The protein was produced from mammalian cells transfected with SF3B1 cDNA clone (Cat #[RC219605]).