

Product datasheet for TP319649L

SAP155 (SF3B1) (NM_001005526) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human splicing factor 3b, subunit 1, 155kDa (SF3B1), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219649 representing NM_001005526 Red=Cloning site Green=Tags(s)
	MAKIAKTHEDIEAQIREIQGKKAALDEAQQVGLDSTGYDQEIYGGSDSRFAGYVTSIAATELEDDDDDDY SSSTSLGQKKPGYHAPVALLNDIPQSTEQYDPFAEHRPPKIADREDEYKKHRRTMIISPERLDPFADGF YSAA
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	15.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
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_001005526
Locus ID:	23451
UniProt ID:	B4DGZ4



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RefSeq Size: 647

Cytogenetics: 2q33.1

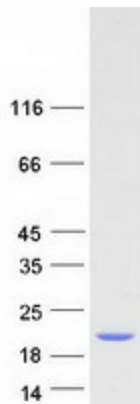
RefSeq ORF: 432

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# [TP319649]). The protein was produced from HEK293T cells transfected with SF3B1 cDNA clone (Cat# [RC219649]) using MegaTran 2.0 (Cat# [TT210002]).