

Recombinant Human SF3B1 protein, His-tagged

Cat. No. SF3B1-1708H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SF3B1 aa. (Leu1038~Leu1304) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu1038~Leu1304
Description	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.
Form	Freeze-dried powder
Molecular Mass	33kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>93%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	7.2

GENE INFORMATION

Gene Name	SF3B1 splicing factor 3b subunit 1 [Homo sapiens (human)]
Official Symbol	SF3B1
Synonyms	SF3B1; splicing factor 3b subunit 1; MDS; PRP10; Hsh155; PRPF10; SAP155; SF3b155; splicing factor 3B subunit 1; pre-mRNA processing 10; pre-mRNA splicing factor SF3b, 155 kDa subunit; spliceosome-associated protein 155; splicing factor 3b, subunit 1, 155kDa

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Gene ID	23451
mRNA Refseq	NM_012433.3
Protein Refseq	NP_036565.2
UniProt ID	O75533
SDS-PAGE	