

Recombinant Human SF3B14, His-tagged

Cat. No. SF3B14-3411H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SF3B14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	SF3B14, also known as SAP14, is a 125 amino acid nuclear protein that is a component of the splicing factor 3b complex. Splicing factor 3b associates with both the U2 and U11/U12 small nuclear ribonucleoprotein complexes (U2 snRNP) of spliceosomes. Required for the splicing of pre-mRNA, SF3B14 enters the spliceosome and associates with the pre-mRNA branch site facilitating the interaction of snRNP with the branch sites of U2 and U12 of the 17S U2 and the 18S U11/U12 snRNP complex.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, and 1mM EDTA, 30% glycerol.
Molecular Weight	16.7 kDa (145aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino	MGSSHHHHHH SSGLVPRGSH MAMQAAKRAN IRLPPEVNRI LYIRNLPYKI TAE

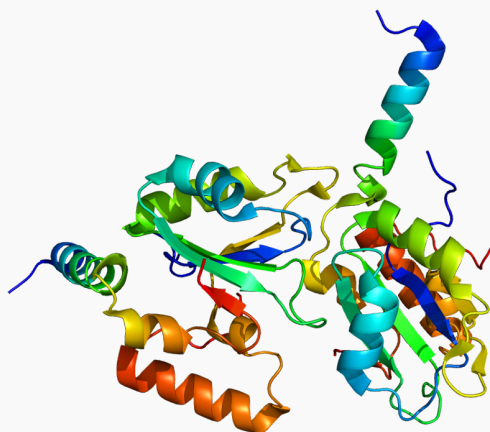
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Acids	MYDIFG KYGPIRQIRV GNTPETRGTA YVYEDIFDA KNACDHLSGF NVCNRYLVVL YYNANRAFQK MDTKKKEEQL KLLKEYGIN TDPK.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Pathways	Spliceosome; Gene Expression; mRNA Processing
GENE INFORMATION	
Gene Name	SF3B14 splicing factor 3B, 14 kDa subunit [Homo sapiens]
Synonyms	splicing factor 3B, 14 kDa subunit; P14; Ht006; SAP14; CGI-110; HSPC175; SF3B14a; pre-mRNA branch site protein p14; SF3b 14 kDa subunit; spliceosome-associated protein, 14 kDa subunit
Gene ID	51639
mRNA Refseq	NM_016047
Protein Refseq	NP_057131
MIM	607835
UniProt ID	Q9Y3B4
Chromosome Location	2pter-p25.1
Function	RNA binding; nucleotide binding; protein binding

PDBrendering based
on 2f9d.



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