



Human SF3B1 peptide (DAG-P1970)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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 introns 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]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the SF3B1 family. Contains 11 HEAT repeats.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SF3B1 splicing factor 3b, subunit 1, 155kDa [Homo sapiens (human)]
Official Symbol	SF3B1
Synonyms	SF3B1; splicing factor 3b, subunit 1, 155kDa; MDS; PRP10; Hsh155; PRPF10; SAP155; SF3b155; splicing factor 3B subunit 1; SAP 155; pre-mRNA processing 10; spliceosome-associated protein 155; pre-mRNA splicing factor SF3b, 155 kDa subunit;
Entrez Gene ID	23451

mRNA Refseq	NM_001005526.1
Protein Refseq	NP_001005526.1
UniProt ID	A0JLT9
Chromosome Location	2q33.1
Pathway	Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; Spliceosome, U2-snRNP, organism-specific biosystem; Spliceosome, U2-snRNP, conserved biosystem; mRNA Splicing, organism-specific biosystem; mRNA Splicing - Major Pathway, organism-specific biosystem; mRNA Splicing - Minor Pathway, organism-specific biosystem; mRNA processing, organism-specific biosy
Function	chromatin binding; poly(A) RNA binding; protein binding;