

Recombinant Human SRSF1 protein, His-tagged

Cat. No. SRSF1-5264H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRSF1(1-248aa) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-248 a.a.
Description	SRSF1, also known as Serine/arginine-rich splicing factor 1, is a member of the arginine/serine-rich splicing factor protein family, and functions in both constitutive and alternative pre-mRNA splicing. This protein binds to pre-mRNA transcripts and components of the spliceosome, and can either activate or repress splicing depending on the location of the pre-mRNA binding site. The protein's ability to activate splicing is regulated by phosphorylation and interactions with other splicing factor associated proteins. In addition to being involved in the splicing process, it also mediates post-splicing activities, such as mRNA nuclear export and translation.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 100mM KCl, 1mM DTT, 0.2mM EDTA, 40% Glycerol
Molecular Mass	28.5kDa (254aa) 28-40KDa (SDS-PAGE under reducing conditions.)
AA Sequence	MSGGGVIRGP AGNNDCRIYV GNLPPDIRTK DIEDVFYKYG AIRDIDLKNR RGGPPFAFVE FEDPRDAEDA VYGRDGYDYD GYRLRVEFPRSGRGTGRGGG

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GGGGGGAPRG RYGPPSRSE NRVVVSGLPP SGSWQDLKDH MREAGDVCYA
DVYRDGTGVV EFVRKEDMTY AVRKLDNTKFRSHEGETAYI RVKVDGPRSP
SYGRSRSRSR SRSRSRSRSN SRSRSYSPRR SRGSPRYSPR HRSRSRTHH
HHHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity > 95% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Bradford Assay)

GENE INFORMATION

Gene Name [SRSF1 serine/arginine-rich splicing factor 1 \[Homo sapiens \]](#)

Official Symbol [SRSF1](#)

Synonyms SRSF1; serine/arginine-rich splicing factor 1; SFRS1, splicing factor, arginine/serine rich 1; alternate splicing factor; ASF; MGC5228; pre mRNA splicing factor SF2; P33 subunit; SF2; SF2p33; splicing factor 2; SR splicing factor 1; SRp30a; ASF-1; alternative-splicing factor 1; splicing factor, arginine/serine-rich 1; pre-mRNA-splicing factor SF2, P33 subunit; SFRS1; FLJ53078;

Gene ID [6426](#)

mRNA Refseq [NM_006924](#)

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Protein Refseq	NP_008855
MIM	600812
UniProt ID	Q07955
Chromosome Location	17q22
Pathway	Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Gene Expression, organism-specific biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; RNA Polymerase II Transcription, organism-specific biosystem; RNA Polymerase II Transcription Termination, organism-specific biosystem;
Function	RNA binding; RS domain binding; nucleotide binding; protein binding;

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