

Active Recombinant Human SRSF1, His-tagged

Cat. No. SRSF1-8494H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRSF1, fused with His tag, was expressed in Sf21 Cells.
Species	Human
Source	Sf21 Cells
Description	ASF also known as SF2 is a member of the SR protein family. It is an essential pre-mRNA splicing factor required for both single and alternative splicing. Phosphorylation on serine residues located within the SR domain directly regulates ASF/SF2 activity and compartmentalization of other SR splicing factors. In addition to interacting with RNA and other splicing factors, such as U1-70K, U2AF and other SR proteins, ASF/SF2 also directly or indirectly interacts with HIV regulatory protein Rev, the C-terminal domain (CTD) of the largest subunit of RNA polymerase II, and numerous transcription factors, thereby suggesting a potential role of ASF/SF2 in coordinating transcription and pre-mRNA splicing .
Form	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
Bio-activity	1 unit equals 1 ng of purified protein. 1-5 units are sufficient for a gel mobility shift assay in a 20 µl reaction, 100 units are sufficient for a protein-protein interaction assay and 100-500 units are required for a splicing assay in a 20 µl reaction.
AA Sequence	SGGGVIRGPA GNNDCRIYVG NLPPDIRTKD IEDVFYKYGA IRDIDLKNRR GGPPFAFVEF EDPRDAEDAV YGRDGYDYDG YRLRVEFPRS GRGTGRGGGG GGGGGAPRGR YGPPSRRSEN RVVVSGLPPS GSWQDLKDHM REAGDVCYAD

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VYRDGTGVVE FVRKEDMTYA VRKLDNTKFR SHEGETAYIR VKVDGPRSPS
YGRSRSRRS RSRSRRSNS RSRSYSPRRS RGSPRYSRPH SRSRSRT

Purity >95% as determined by SDS-PAGE

Storage -80 °C

Concentration 350 µg/ml

Shipping Dry Ice

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](#)

Protein Refseq [NP_008855](#)

MIM [600812](#)

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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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