

## Active Recombinant Human SRSF1, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Human SRSF1, fused with His tag, was expressed in Sf21 Cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Sf21 Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | <p>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.</p> <p>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 .</p> |
| <b>Form</b>             | 20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Bio-activity</b>     | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | <p>SGGGVIRGPA GNNDCRIYVG NLPPDIRTKD IEDVFYKYGA IRDIDLKNRR</p> <p>GGPPFAFVEF EDPRDAEDAV YGRDGYDYDG YRLRVEFPRS GRGTGRGGGG</p> <p>GGGGGAPRGR YGPPSRRSEN RVVVSGLPPS GSWQDLKDHM REAGDVCYAD</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

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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