

Active Recombinant Human SRSF2, His-tagged

Cat. No. SRSF2-8495H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRSF2, fused with His tag, was expressed in Sf21 Cells.
Species	Human
Source	Sf21 Cells
ProteinLength	4-221 a.a.
Description	<p>SC35, a member of the SR protein family, is an essential pre-mRNA splicing factor and can function as an essential splicing factor as well as an alternative splicing factor. Phosphorylation of serine residues located within the SR domain directly regulates SC35 activity and compartmentalization of other SR splicing factors. In addition to interacting with RNA and other splicing factors, SC35 has been shown to interact either directly or indirectly with the C-terminal domain (CTD) of the largest subunit of RNA polymerase II, thereby suggesting a potential role of SC35 in coordinating transcription and pre-mRNA splicing.</p>
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 the amount 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	GRPPPDVEGM TSLKVDNLTY RTSPDTRLRRV FEKYGRVGDV YIPRDRYTKE

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SRGFAFVRFH DKRDAEDAMD AMDGAVLDGR ELRVQMARYG RPPDSHHSRR
 GPPPRRYGGG GYGRRSRSPR RRRRSRSR SRSSRSRSR YSRSKRSRT
 RSRSRSTSKS RSARRSKSKS SSVSRRSRS RSRRSRSP PVS KRESKSR
 SRSKSPPKSP EEEGAVSS

Purity >95% as determined by SDS-PAGE

Storage -80 °C

Concentration 650 µg/ml

Shipping Dry Ice

GENE INFORMATION

Gene Name [SRSF2 serine/arginine-rich splicing factor 2 \[Homo sapiens \]](#)

Official Symbol SRSF2

Synonyms SRSF2; serine/arginine-rich splicing factor 2; SFRS2, splicing factor, arginine/serine rich 2; PR264; SC 35; SC35; SFRS2A; SR splicing factor 2; splicing factor SC35; splicing component, 35 kDa; splicing factor, arginine/serine-rich 2; SC-35; SFRS2; SRp30b;

Gene ID [6427](#)

mRNA Refseq [NM_003016](#)

Protein Refseq [NP_003007](#)

MIM [600813](#)

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UniProt ID	Q01130
Chromosome Location	17q25.2
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; nucleic acid binding; nucleotide binding; protein binding; transcription corepressor activity;

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