

Recombinant Human SRSF1 Protein (2-248 aa), His-SUMO-tagged

Cat. No. SRSF1-809H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRSF1 Protein (2-248 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Transcription. Protein Description: Full Length of Mature Protein.
Species	Human
Source	E.coli
ProteinLength	2-248 aa
Description	Plays a role in preventing exon skipping, ensuring the accuracy of splicing and regulating alternative splicing. Interacts with other spliceosomal components, via the RS domains, to form a bridge between the 5'- and 3'-splice site binding components, U1 snRNP and U2AF. Can stimulate binding of U1 snRNP to a 5'-splice site-containing pre-mRNA. Binds to purine-rich RNA sequences, either the octamer, 5'-RGAAGAAC-3' (r=A or G) or the decamers, AGGACAGAGC/AGGACGAAGC. Binds preferentially to the 5'-CGAGGCG-3' motif in vitro. Three copies of the octamer constitute a powerful splicing enhancer in vitro, the ASF/SF2 splicing enhancer (ASE) which can specifically activate ASE-dependent splicing. Isoform ASF-2 and isoform ASF-3 act as splicing repressors. May function as export adapter involved in mRNA nuclear export through the TAP/NXF1 pathway.
Form	Tris-based buffer, 50% glycerol

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Molecular Mass	43.6 kDa
AA Sequence	SGGGVIRGPAGNNDCRIYVGNLPPDIRTKDIEDVFYKYGAIRDIDLKNRRGGPPFAFV EFEDPRDAEDAVYGRDGYDYDGYRLRVEFPRSGRGTGRGGGGGGGGGAPRGRY GPPSRSEN RVVVSGLPPSGSWQDLKDHMREAGDVCYADVYRDGTGVVEFVRKE DMTYAVRKLDNTKFRSHEGETAYIRVKVDGPRSPSYGRSRSRSRSRSRSRSNS RSRSYSPRRSRGSPRYSPRHSRSRSRT
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

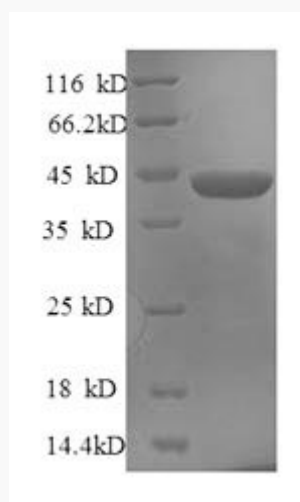
Gene Name	SRSF1 serine/arginine-rich splicing factor 1 [Homo sapiens]
Official Symbol	SRSF1
Synonyms	SRSF1; ASF; MGC5228; P33 subunit; SF2; SF2p33; SRp30a; ASF-1; SFRS1; FLJ53078;
Gene ID	6426

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mRNA Refseq	NM_001078166
Protein Refseq	NP_001071634
MIM	600812
UniProt ID	Q07955



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.