
Product Data Sheet

Product Name: SRSF1 Human
 Cat. No.: GP24696
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ASF; MGC5228; SF2; SF2p33; SRp30a; Serine/arginine-rich splicing factor 1; SRSF1; splicing factor 1; ASF-1; Splicing factor; arginine/serine-rich 1; pre-mRNA-splicing factor SF2; P33 subunit; OK/SW-cl.3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSGGGVIRGP AGNNDCRIYV GNLPPDIRTK DIEDVFYKYG AIRDIDLKNR RGGPPFAFVE FEDPRDAEDA VYGRDGYDYD GYRLRVEFPR SGRGTGRGGG GGGGGGAPRG RYGPPSRSE NRVVVSGLPP SGWQDLKDH MREAGDVCYA DVYRDGTGVV EFVRKEDMTY AVRKLDNTKF RSHEGETAYI RVKVDGPRSP SYGRSRSRSR SRSRSRSRSN SRSRSYSPRR SRGSPRYSPR HSRRSRT.		
Formulation	The SRSF1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.		

Introduction

Serine/arginine-rich splicing factor 1 (SFRS1) belongs to the arginine/serine-rich splicing factor protein family, and functions in both constitutive and alternative pre-mRNA splicing. SFRS1 binds to pre-mRNA transcripts and components of the spliceosome, and can either initiate or inhibit splicing depending on the position of the pre-mRNA binding site. The ability of SFRS1 to activate splicing is controlled by phosphorylation and interactions with other splicing factor associated proteins.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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SRSF1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 268 amino acids (1-248) and having a molecular mass of 29.9 kDa. SRSF1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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