

SRSF1 Human

Description: 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.

Catalog #: PRPS-1359

For research use only.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSGGGVIRGP AGNNDRIYV
GNLPPDIRTK DIEDVFKYK AIRDIDLKNR RGGPPFAFVE FEDPRDAEDA VYGRDGYDYD
GYRLRVEFPR SGRGTGRGGG GGGGGGAPRG RYGPPSRSE NRVVVSGLPP
SGSWQDLKDH MREAGDVCYA DVYRDGTGVV EFVRKEDMTY AVRKLDNTKF RSHEGETAYI
RVKVDGPRSP SYGRSRSR SR

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The SRSF1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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