

SRSF1, 1-248aa, Human, His-tag, Baculovirus

Cat.NO.: TP04035

3th Edition

Synonyms: Serine/arginine-rich splicing factor 1, SRSF1, ASF, SF2, SF2p33, SFRS1, SRp30a

Description: SRSF1, also known as Serine/arginine-rich splicing factor 1, is a member of the arginine/serine-rich splicing factor protein family, and functions in both constitutive and alternative pre-mRNA splicing. This protein binds to pre-mRNA transcripts and components of the spliceosome, and can either activate or repress splicing depending on the location of the pre-mRNA binding site. The protein's ability to activate splicing is regulated by phosphorylation and interactions with other splicing factor associated proteins. In addition to being involved in the splicing process, it also mediates post-splicing activities, such as mRNA nuclear export and translation. Recombinant human SRSF1 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 100mM KCl, 1mM DTT, 0.2mM EDTA, 40% Glycerol

Molecular Weight: 28.5kDa (254aa) 28-40kDa (SDS-PAGE under reducing conditions.)

Sequences:

MSGGGVIRGPAGNNDNCRIYVGNLPPDIRTKDIEDVFYKYGAIRDIDLKNRRGGPPFAFVEFEDPRDAEDAVYGRDG
YDYDGYRLRVEFPRSGRGTGRGGGGGGGGGAPRGRYGPPSRSENRVVVSGLPPSGSWQDLKDHMREAGDV
CYADVYRDGTGVVEFVRKEDMTYAVRKLNTKFRSHEGETAYIRVKVDGPRSPSYGRSRSRSRSRSRSRSNS
RSRSYSPRRSRGSPRYSPRHSRSRSRTHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.