

**SFRS1, 1-248aa Human, His tag, E.coli**

**Cat.NO.: TP03916**

3th Edition

**Synonyms:** Serine/arginine-rich splicing factor 1, ASF, MGC5228, SF2, SF2p33, SRp30a

**Description:** Serine/arginine-rich splicing factor 1, also known as SFRS1, 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. Recombinant human SFRS1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

**Molecular Weight:** 29.9 kDa (268aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSGGGVIRGPAGNDCRIYVGNLPPDIRTKDIEDVFYKYGAIRDIDLKNRRGGPPF  
AFVEFEDPRDAEDAVYGRDGYDYDGYRLRVEFPRSGRGTGRGGGGGGGGGAPRGRYGPPSRSENRRVVVSGL  
PPSGSWQDLKDHMREAGDVCYADVYRDGTGVVEFVRKEDMTYAVRKLNTKFRSHEGETAYIRVKVDGPRSPSY  
GRSRSRSRSRSRSRNSRSRSYSPRRSRGSPRYSPRHSRSRSRT

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**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.