Recombinant human SFRS1 protein

Catalog Number: ATGP1949

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-248aa

UniProt No.
Q07955

NCBI Accession No.
NP_008855

Alternative Names
Serine/arginine-rich splicing factor 1, ASF, MGC5228, SF2, SF2p33, SRp30a

PRODUCT SPECIFICATION

Molecular Weight
29.9 kDa (268aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

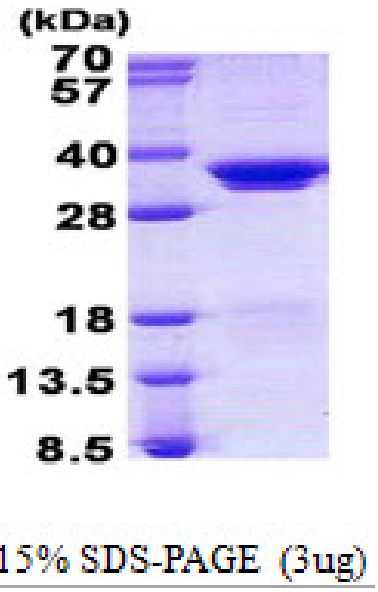
MGSSHHHHHH SSGLVPRGSH MSGGGVIRGP AGNNDCRIYV GNLPPDIRTK DIEDVFYKYG AIRDIDLKNR RGGPPFAFVE FEDPRDAEDA VYGRDGYDYD GYRLRVEFPR SGRGTGRGGG GGGGGGAPRG RYGPPSRRSE NRVVVSGLPP SGSWQDLKDH MREAGDVCYA DVYRDGTGVV EFVRKEDMTY AVRKLDNTKF RSHEGETAYI RVKVDGPRSP SYGRSRSRSR SRSRSRSRSN SRSRSYSPRR SRGSPRYSPR HSRSRSRT

General References

Zuo P., et al. (1993) EMBO J. 12:4727-4737
Kohtz J.D., et al. (1994) Nature. 368:119-124

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.