

Recombinant human SRSF1 protein

Catalog Number: ATGP3558

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

1-248aa

UniProt No.

Q07955

NCBI Accession No.

NP_008855

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

28.5 kDa (254aa)

Concentration

0.25mg/ml (determined by Bradford Assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 100mM KCl, 1mM DTT, 0.2mM EDTA, 40% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

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

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

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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.

Amino acid Sequence

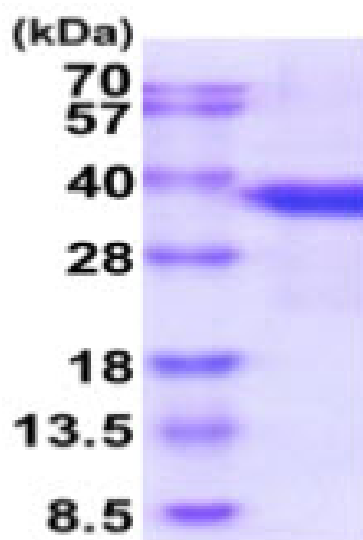
MSGGGVIRGP AGNNDCRIYV GNLPPDIRTK DIEDVFYKYG AIRDIDLKNR RGGPPFAFVE FEDPRDAEDA VYGRDGYDYD
GYRLRVEFPR SGRGTGRGGG GGGGGGAPRG RYGPPSRSE NRVVVSGLPP SGSWQDLKDH MREAGDVCYA
DVYRDGTGVV EFVRKEDMTY AVRKLDNTKF RSHEGETAYI RVKVDGPRSP SYGRSRSRSP SRSRSRSPSN SRSRSYSPPR
SRGSPRYSPP HSRSRSRTHH HHHH

General References

Xue F., et al. (2015) PLoS One. 10: e0115354.
Goncalves V., et al. (2014) RNA. 20:474-482.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)