

Active Recombinant Human Splicing Factor, Arginine/Serine-rich 1

Cat. No. SFRS1-1015H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Sf9 Cells
Description	ASF or called SF2, a member of SR protein family, is an essential pre-mRNA splicing factor required for both single and alternative splicing. Phosphorylation on serine residues located within the SR domain directly regulates ASF/SF2 activity and compartmentalization of other SR splicing factors. In addition to interacting with RNA and other splicing factors, such as U1-70K, U2AF and other SR proteins, ASF/SF2 also directly or indirectly interacts with HIV regulatory protein Rev, the C-terminal domain (CTD) of the largest subunit of RNA polymerase II, and numerous transcription factors, thereby suggesting a potential role of ASF/SF2 in coordinating of transcription and pre-mRNA splicing. The human ASF/SF2 wild type protein (residues 1-248) was expressed in baculovirus system and purified by an affinity column in combination with FPLC chromatography.
Form	Liquid. Supplied in 20 mM Tris-HCl, pH 8.0, 100 mM KCl, 0.2 mM EDTA, 1 mM DTT, 20% glycerol.
Purity	>95% by SDS-PAGE.
Activity	1 ng is sufficient for a gel mobility shift assay in a 20 µl reaction and 100 ng are

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sufficient for a protein-protein interaction assay.

Application

Recombinant ASF/SF2 protein can be used 1) for in vitro function studies including pre-mRNA splicing, cross linking and other RNA binding assays.2) for protein-protein interaction assay, and 3) for cell growth and proliferation assays.

Usage

For in vitro use only.

Storage

Quality guaranteed for 12 months store at -80°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name

SFRS1 splicing factor, arginine/serine-rich 1 [Homo sapiens]

Synonyms

SFRS1; splicing factor, arginine/serine-rich 1; ASF; SF2; SF2p33; SRp30a; MGC5228; splicing factor 2; pre-mRNA-splicing factor SF2, P33 subunit; alternate splicing factor; ASF-1; SF2P33; SRp30a

Gene ID

6426

mRNA Refseq

NM_001078166

Protein Refseq

NP_001071634

MIM

600812

UniProt ID

Q07955

**Chromosome
Location**

17q21.3-q22

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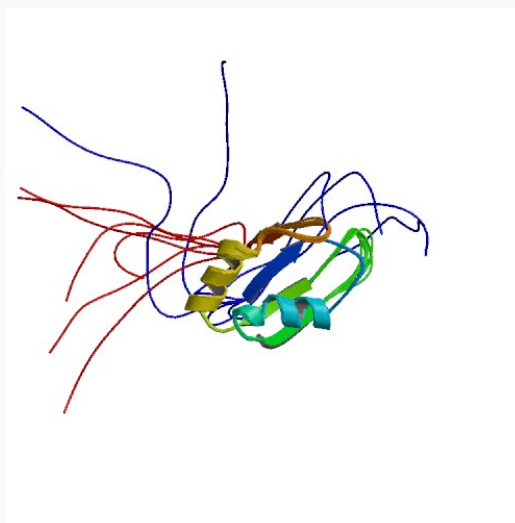
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Function

RNA binding; nucleotide binding; protein binding

PDB rendering based
on 1x4a.



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