

Active Recombinant Human Splicing Factor, Arginine/Serine-rich 2

Cat. No. SFRS2-339H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Sf9 Cells
Description	SC35, a member of SR protein family, is an essential premRNA splicing factor. Phosphorylation on serine residues located within the SR domain directly regulates SC35 activity and compartmentalization of other SR splicing factors. In addition to interacting with RNA and other splicing factors, SC35 has been shown to interact either directly or indirectly interacts with the C-terminal domain (CTD) of the largest subunit of RNA polymerase II, thereby suggesting a potential role of SC35 in coordinating of transcription and pre-mRNA splicing. The human SC35 wild type protein was expressed in <i>Baculovirus</i> system and purified by an affinity column in combination with FPLC chromatography.
Form	Liquid. Supplied in 20mM Tris-HCl, pH8.0, 100mM KCl, 0.2mM EDTA, 1mM DTT, 20% glycerol.
Activity	1ng is the amount sufficient for a gel mobility shift assay in a 20μl reaction, 50 and 100ng are sufficient for a protein-protein interaction assay.
Application	Recombinant SC35 protein can be used: (1) For in vitro function studies including pre-mRNA splicing, cross linking and other RNA binding assays. (2) For

 Tel: 1-631-559-9269 1-516-512-3133

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proteinprotein interaction assay. (3) For cell growth and proliferation assays.

Purity >95% by SDS-PAGE.

Usage For in vitro use only.

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

GENE INFORMATION

Gene Name SFRS2 splicing factor, arginine/serine-rich 2 [Homo sapiens]

Synonyms SFRS2; splicing factor, arginine/serine-rich 2; C35; PR264; SC-35; SFRS2A; SRp30b; Splicing factor, arginine/serine-rich 2; Splicing factor SC35; Splicing component, 35 kDa; Protein PR264

Gene ID 6427

mRNA Refseq NM_003016

Protein Refseq NP_003007

MIM 600813

UniProt ID Q01130

Chromosome Location 17q25.2

Pathway Gene Expression; Influenza Infection; Transcription

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Function

RNA binding; nucleotide binding; protein binding; transcription corepressor activity

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