

Serine/arginine-rich splicing factor 1

Catalog No: #AP79417



Package Size: #AP79417-1 50ug #AP79417-2 100ug #AP79417-3 1mg

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Description

Product Name	Serine/arginine-rich splicing factor 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	2-248AA
Other Names	OK/SW-cl.3,ASF,SF2,SF2P33,SFRS1,Alternative-splicing factor 1,Splicing factor, arginine/serine-rich 1,pre-mRNA-splicing factor SF2, P33 subunit,ASF-1
Accession No.	Q07955Gene name:SRSF1
Uniprot	Q07955
GeneID	6426;
Calculated MW	27.17
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Plays a role in preventing exon skipping, ensuring the accuracy of splicing and regulating alternative splicing. Interacts with other spliceosomal components, via the RS domains, to form a bridge between the 5'- and 3'-splice site binding components, U1 snRNP and U2AF. Can stimulate binding of U1 snRNP to a 5'-splice site-containing pre-mRNA. Binds to purine-rich RNA sequences, either the octamer, 5'-RGAAGAAC-3' (r=A or G) or the decamers, AGGACAGAGC/AGGACGAAGC. Binds preferentially to the 5'-CGAGGCG-3' motif in vitro. Three copies of the octamer constitute a powerful splicing enhancer in vitro, the ASF/SF2 splicing enhancer (ASE) which can specifically activate ASE-dependent splicing. Isoform ASF-2 and isoform ASF-3 act as splicing repressors. May function as export adapter involved in mRNA nuclear export through the TAP/NXF1 pathway.

References

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Note: This product is for in vitro research use only