

Product datasheet for **RC231072**

SFRS7 (SRSF7) (NM_001195446) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS7 (SRSF7) (NM_001195446) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SFRS7
Synonyms:	9G8; AAG3; SFRS7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231072 representing NM_001195446 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCGTTACGGGCGGTACGGAGGAGAAACCAAGGTGTATGTTGGTAACCTGGAACTGGCGCTGGCA
AAGGAGAGTTAGAAAGGGCTTTTCAGTTATTATGGTCCTTTAAGAAGTGTATGGATTGCGAGAAATCCTCC
AGGATTTGCCTTTGTGGAATTCGAAGATCCTAGAGATGCAGAAGATGCAGTACGAGGACTGGATGGAAAG
GTGATTTGTGGTCCCGAGTGAGGGTTGAACTATCGACAGGCATGCCTCGGAGATCACGTTTTGATAGAC
CACCTGCCGACGTCCCTTTGATCCAAATGATAGATGCTATGAGTGTGGCGAAAAGGGACATTATGCTTA
TGATTGTATCGTTACAGCCGGCGAAGAAGAAGCAGGTCACGGTCTAGATCACATTCTCGATCCAGAGGA
AGGCGATACTCTCGTCCAGCAGCAGGAGCAGGGGACGAAGGTCAAGGTCAAGTCAAGTCTCCTCGACGATCAA
GATCTATCTCTCTCGTAGATCAAGATCAGCTTCACTCAGAAGATCTAGGTCTGGTTCTATAAAAGGATC
GAGGATTTCCAATCCCCGTCGAGGTCAAGATCAAGATCCAGGTCTATTTACGACCAAGAAGCAGTCGT
TCCCCATCAGGAAGTCTCGCAGAAGTGCAAGTCTGAAAGAATGGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC231072 representing NM_001195446
Red=Cloning site Green=Tags(s)

MSRYGRYGGETKVVYVGNLGTGAGKGELEAFSYGPLRTVWIARNPPGF AFVEFEDPRDAEDAVRGLDGK
 VICGSRVRVELSTGMPRRSRFDRPPARRPFDPNDRCYECGEKGHYAYDCHRYSRRRRSRSHSRSRG
 RRYRSRSHSRGRRRSRASPRRSRSISLRRRSASLRRRSRSGSIKGSRYFQSPSRSRSRISRPRSSR
 SPSGSPRRSASPERMD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1446_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001195446

ORF Size: 678 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001195446.1](#), [NP_001182375.1](#)

RefSeq ORF: 681 bp

Locus ID: 6432

UniProt ID: [Q16629](#)

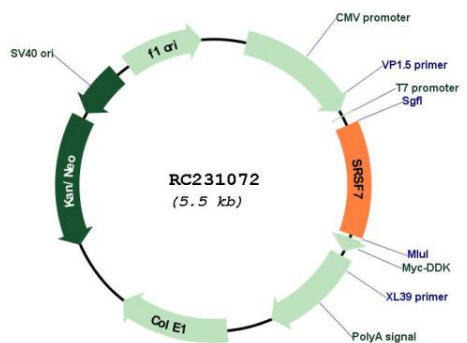
Cytogenetics: 2p22.1

Protein Pathways: Spliceosome

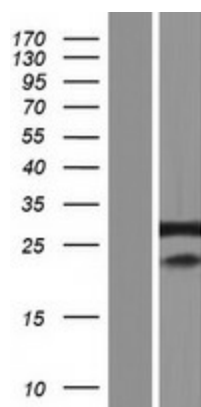
MW: 26.5 kDa

Gene Summary: The protein encoded by this gene is a member of the serine/arginine (SR)-rich family of pre-mRNA splicing factors, which constitute part of the spliceosome. Each of these factors contains an N-terminal RNA recognition motif (RRM) for binding RNA and a C-terminal RS domain for binding other proteins. The RS domain is rich in serine and arginine residues and facilitates interaction between different SR splicing factors. In addition to being critical for mRNA splicing, the SR proteins have also been shown to be involved in mRNA export from the nucleus and in translation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2018]

Product images:



Circular map for RC231072



Western blot validation of overexpression lysate (Cat# [LY434071]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231072 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).