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Product datasheet for RC209660

SFRS3 (SRSF3) (NM_003017) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS3 (SRSF3) (NM_003017) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SFRS3
Synonyms:	SFRS3; SRp20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC209660 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCATCGTGATTCCTGTCCATTGGACTGTAAGGTTTATGTAGGCAATCTTGGAAACAATGGCAACAAGA
CGGAATTGGAACGGGCTTTTGGCTACTATGGACCACTCCGAAGTGTGTGGGTTGCTAGAAACCCACCCGG
CTTTGCTTTTGTTGAATTTGAAGATCCCCGAGATGCAGCTGATGCAGTCCGAGAGCTAGATGGAAGAACA
CTATGTGGCTGCCGTGTAAGAGTGGAACTGTCGAATGGTGAAAAAAGAAGTAGAAATCGTGGCCCACCTC
CCTCTTGGGGTCGTCGCCCTCGAGATGATTATCGTAGGAGGAGTCCTCCACCTCGTCGCAGATCTCCAAG
AAGGAGAAGCTTCTCTCGCAGCCGGAGCAGGTCCCTTTCTAGAGATAGGAGAAGAGAGAGATCGCTGTCT
CGGGAGAGAAATCACAAGCCGTCCCGATCCTTCTCTAGGTCTCGTAGTCGATCTAGGTCAAATGAAAGGA
AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209660 protein sequence
Red=Cloning site Green=Tags(s)

MHRDSCPLDCKVYVGNLGNNGNKTELERAFGYYGPLRSVWVARNPPGFAFVEFEDPRDAADAVRELDGRT
LCGCRVRVELSNGEKRSRNRGPPPSWGRRPRDDYRRRSPPPRRRSPRRRSFSRSRSRSLSRDRRRERSLS
RERNHKPSRSFSRSRSRSRSNERK

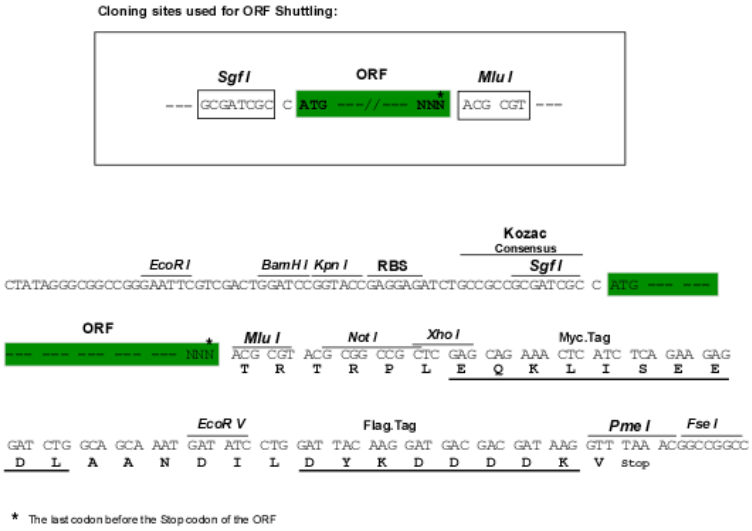
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6085_f11.zip

View online »

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003017

ORF Size: 492 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

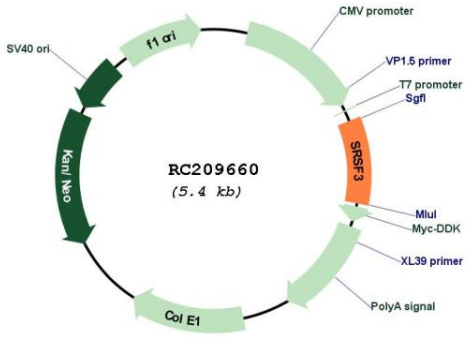
RefSeq: NM_003017.5

RefSeq Size: 3144 bp

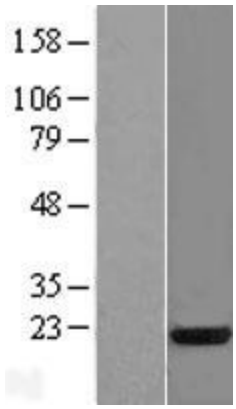
RefSeq ORF: 495 bp

Locus ID:	6428
UniProt ID:	P84103
Cytogenetics:	6p21.31-p21.2
Domains:	RRM
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	Spliceosome
MW:	19.3 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 RNA recognition motif (RRM) for binding RNA and an 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. Two transcript variants, one protein-coding and the other non-coding, have been found for this gene. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RC209660



Western blot validation of overexpression lysate (Cat# [LY418955]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209660 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).