

Product datasheet for RC230790

FUSIP1 (SRSF10) (NM_001191005) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FUSIP1 (SRSF10) (NM_001191005) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SRSF10
Synonyms:	FUSIP1; FUSIP2; NSSR; PPP1R149; SFRS13; SFRS13A; SRp38; SRp40; TASR; TASR1; TASR2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC230790 representing NM_001191005 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCCTACCTCGTCCCCAACACGTCTCTGTTTCGTGAGAACGTGGCCGACGACACCAGGTCTG
AAGACTTGGCGCGTGAATTTGGTCGTTATGGTCCTATAGTTGATGTGTATGTTCCACTTGATTTCTACAC
TCGCCGTCCAAGAGGATTTGCTTATGTTCAATTTGAGGATGTTTCGTGATGCTGAAGACGCTTTACATAAT
TTGGACAGAAAGTGGATTTGTTGGACGGCAGATTGAAATACAGTTTGCCAGGGGGATCGAAAGACACCAA
ATCAGATGAAAGCCAAGGAAGGGAGGAATGTGTACAGTCTTTCACGCTATGATGATTATGACAGATACAG
ACGTTCTAGAAGCCGAAGTTATGAAAGGAGGAGATCAAGAAGTCGGTCTTTTATTACAATATAGAAGA
TCGTATAGTCCTAGAAATAGACCGACTGGAAGACCACGGCGTAGCAGAAGCCATTCGACAATGATAGAT
TCAAACACCGAAATCGATCTTTTCAAGATCTAAATCCAATCAAGATCACGGTCCAAGTCCCAGCCCAA
GAAAGAAATGAAGGCTAAATCACGTTCTAGGTCTGCATCTCACACAAAACACTAGAGGCACCTCTAAAACA
GATTCAAAACACATTATAAGTCTGGCTCAAGATATGAAAAGGAATCAAGGAAAAAAGAACCACCTAGAT
CCAAATCTCAGTCAAGATCACAGTCTAGGTCTAGGTCAAATCTAGATCAAGGTCTTGACTAGTCTCTAA
GTCCAGTGGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC230790 representing NM_001191005
Red=Cloning site Green=Tags(s)

MSRYLRPPNTSLFVRNVADDTRSEDLRREFGRYGPIVDVYVPLDFYTRRPRGFAYVQFEDVRDAEDALHN
 LDRKWICGRQIEIQFAQGDRKTPNQMKAKEGRNVYSSSRYYDDYRYSRSRSYERRRSRSRSDYNYRR
 SYSPNRPTGRPRRSRSHSDNDRFKHRNRSFSRSKSNRSRSKSPKEMKAKSRSRASHTKTRGTSKT
 DSKTHYKSGSRYEKESRKKEPPRSKSQSRSQSRKSRSRSWTSPKSSGH

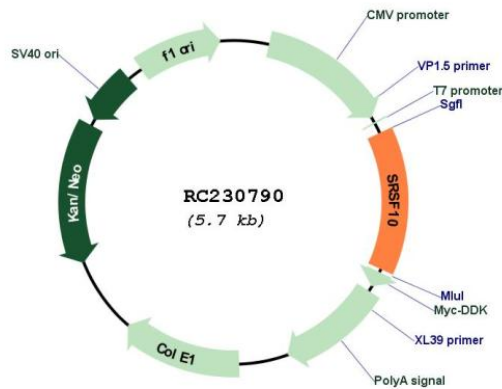
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191005
ORF Size: 783 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:	<ol style="list-style-type: none">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_001191005.3
RefSeq Size:	7789 bp
RefSeq ORF:	786 bp
Locus ID:	10772
UniProt ID:	O75494
Cytogenetics:	1p36.11
Protein Families:	Transcription Factors
Protein Pathways:	Spliceosome
MW:	31.2 kDa
Gene Summary:	This gene product is a member of the serine-arginine (SR) family of proteins, which are involved in constitutive and regulated RNA splicing. Members of this family are characterized by N-terminal RNP1 and RNP2 motifs, which are required for binding to RNA, and multiple C-terminal SR/RS repeats, which are important in mediating association with other cellular proteins. This protein interacts with the oncoprotein TLS, and abrogates the influence of TLS on adenovirus E1A pre-mRNA splicing. This gene has pseudogenes on chromosomes 4, 9, 14, 18, and 20. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]