

Product datasheet for **RC231007**

FUSIP1 (SRSF10) (NM_001191009) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FUSIP1 (SRSF10) (NM_001191009) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FUSIP1
Synonyms: FUSIP1; FUSIP2; NSSR; PPP1R149; SFRS13; SFRS13A; SRp38; SRp40; TASR; TASR1; TASR2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231007 representing NM_001191009
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCCTACCTGCGTCCCCCAACACGTCTCTGTTTCGTGAGGAACGTGGCCGACGACACCAGGTCTG
AAGACTTGC GGCGTGAATTTGGTCGTTATGGTCTATAGTTGATGTGTATGTTCCACTTGATTTCTACAC
TCGCCGTCGAAGAGGATTTGCTTATGTTCAATTTGAGGATGTTTCGTGATGCTGAAGACGCTTTACATAAT
TTGGACAGAAAGTGGATTTGTGGACGGCAGATTGAAATACAGTTTCCCAGGGGGATCGAAAGACACCAA
ATCAGATGAAAGCCAAGGAAGGGAGGAATGTGTACAGTTCTTACGCTATGATGATTATGACAGATACAG
ACGTTCTAGAAGCCGAAGTTATGAAAGGAGGAGATCAAGAAGTCGGTCTTTTATTACAATATAGAAGA
TCGTATAGTCCTAGAAAACCAAACCTGCAGCTGGAATACCCAGTACAGTTCTGCTTACTACTACTTCAAGAA
AGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231007 representing NM_001191009
Red=Cloning site Green=Tags(s)

MSRYLRPPNNTSLFVRNVADDTRSEDLRREFGRYGPVVDVYVPLDFYTRRPRGFAYVQFEDVVRDAEDALHN
LDRKWICGRQIEIQFAQGDRKTPNQMKAKEGRNVYSSRYDDYDRYRRSRSYERRRSRSRSDYNYRR
SYSPRPNC SWNTQYSSAYYTSRKI

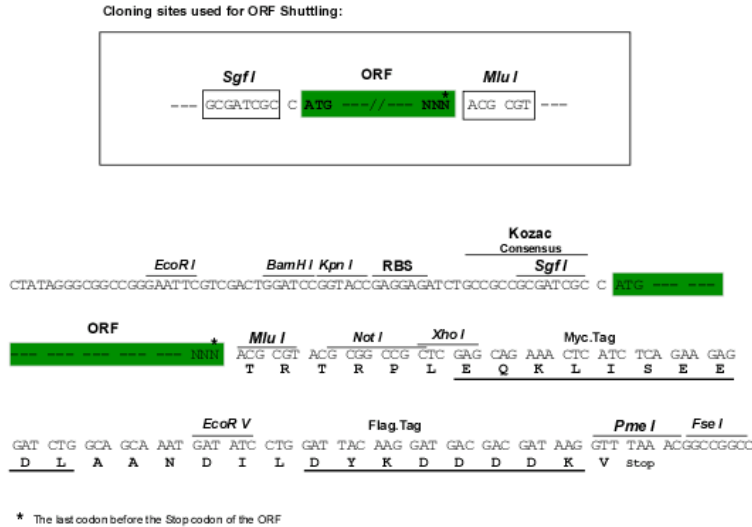
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1434_d09.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001191009

ORF Size: 495 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_001191009.3](#)

RefSeq ORF: 498 bp

Locus ID: 10772

UniProt ID: [O75494](#)

Cytogenetics: 1p36.11

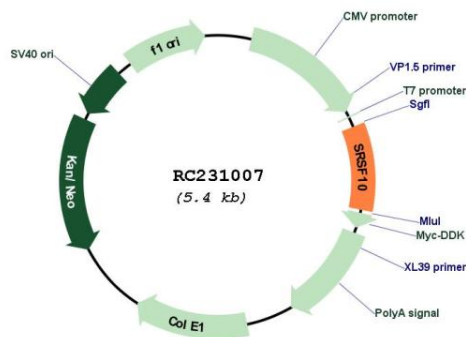
Protein Families: Transcription Factors

Protein Pathways: Spliceosome

MW: 20.6 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]

Product images:



Circular map for RC231007