

Product datasheet for **RG230767**

FUSIP1 (SRSF10) (NM_001191006) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FUSIP1 (SRSF10) (NM_001191006) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SRSF10
Synonyms: FUSIP1; FUSIP2; NSSR; PPP1R149; SFRS13; SFRS13A; SRp38; SRp40; TASR; TASR1; TASR2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG230767 representing NM_001191006
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTC**CCGCTACCTGCGTCCCCCAACACGTCTCTGTT**CGTCAGGAACGTGGCCGACGACACCAGGTCTG
 AAGACTT**CGGCGTGAATTTGGTCGTTATGGT**CTATAGTTGATGTGTATGTTCCACTTGATTTCTACAC
 TCGCCG**TCCAAGAGGATTTGCTTATGTTCAATTTGAGGATGTT**CGTGATGCTGAAGACGCTTTACATAAT
 TTGGACAGAAAGTGGATTTGTGGACGGCAGATTGAAATACAGTTTGCC**CAGGGGATCGAAAGACACCAA**
 ATCAGATGAAAGCCAAGGAAGGGAGGAATGTGTACAGTTCTT**CACGCTATGATGATTATGACAGATACAG**
 ACGTTCTAGAAGCCGAAGTTATGAAAGGAGGAGATCAAGAAGT**CGGCTTTTTGATTACA**ACTATAGAAGA
 TCGTATAGT**CCTAGAAACAGTAGACCGACTGGAAGACCACGGCGTAGCAGAAGCCATTCCGACA**ATGATA
 GCCAAGTAAGCAAGAAGAAAAATGAGAGA

ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

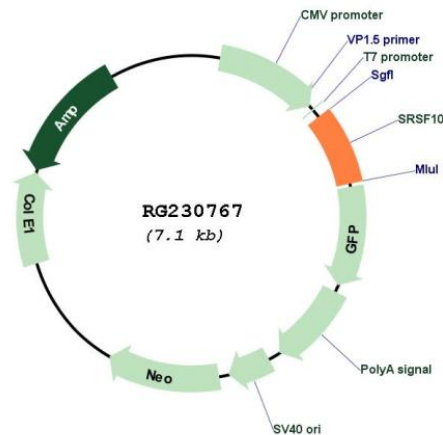
Protein Sequence: >RG230767 representing NM_001191006
 Red=Cloning site Green=Tags(s)
 MSRYLRPPNTSLFVRNVADDTRSEDLRREFGRYGP**IVDVYVPLDFYTRRPRGFAYVQFEDV**RDAEDALHN
 LDRKWICGRQIEIQFAQGDRKTPNQMKAKEGRNVYSSSR**YDDYDRYRRSRYSYERRRSRSR**SFDYNYRR
 SYSPRNSRPTGRPRRSRSHSDNDSQVSKKKNER

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001191006

ORF Size: 519 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:	<u>NM_001191006.3</u>
RefSeq Size:	2224 bp
RefSeq ORF:	522 bp
Locus ID:	10772
UniProt ID:	<u>O75494</u>
Cytogenetics:	1p36.11
Protein Families:	Transcription Factors
Protein Pathways:	Spliceosome
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]