

Product datasheet for **RG214037**

FUSIP1 (SRSF10) (NM_054016) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FUSIP1 (SRSF10) (NM_054016) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SRSF10
Synonyms:	FUSIP1; FUSIP2; NSSR; PPP1R149; SFRS13; SFRS13A; SRp38; SRrp40; TASR; TASR1; TASR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214037 representing NM_054016 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGTCCCCTACCTGCGTCCCCCAACACGTCTCTGTTTCGTGAGGAACGTGGCCGACGACACCAGGTCTG
AAGACTTGC GGCGTGAATTTGGTCGTTATGGTCTATAGTTGATGTGTATGTTCCACTTGATTTCTACAC
TCGCCGTCCAAGAGGATTTGCTTATGTTCAATTTGAGGATGTTTCGTGATGCTGAAGACGCTTTACATAAT
TTGGACAGAAAGTGGATTTGTGGACGGCAGATTGAAATACAGTTTCCCAGGGGGATCGAAAGACACCAA
ATCAGATGAAAGCCAAGGAAGGGAGGAATGTGTACAGTTCTTCAGCTATGATGATTATGACAGATACAG
ACGTTCTAGAAGCCGAAGTTATGAAAGGAGGAGATCAAGAAGTCGGTCTTTTGATTACAACATAGAAAGA
TCGTATAGTCCTAGAAACAGTAGACCGACTGGAAGACCACGGCGTAGCAGAAGCCATTCGACAATGATA
GATTCAAACACCGAAATCGATCTTTTTCAAGATCTAAATCCAATTCAGATCACGGTCCAAGTCCCAGCC
CAAGAAAGAAATGAAGGCTAAATCACGTTCTAGGTCTGCATCTCACACAAAACCTAGAGGCACCTCTAAA
ACAGATTCCAAAACACATTATAAGTCTGGCTCAAGATATGAAAAGGAATCAAGGAAAAAAGAACCCCTA
GATCCAAATCTCAGTCAAGATCACAGTCTAGGTCTAGGTCAAATCTAGATCAAGGTCTTGACTAGTCC
TAAGTCCAGTGGCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG214037 representing NM_054016
Red=Cloning site Green=Tags(s)

MSRYLRPPNNTSLFVRNVADDTRSEDLRREFGRYGPVVDVYVPLDFYTRRPRGFAYVQFEDVRDAEDALHN
 LDRKWICGRQIEIQFAQGDRKTPNQMKAKEGRNVYSSSRYYDDYDRYRRSRSRSYERRRRSRSRSFYDNYRR
 SYSPRNSRPTGRPRRSRSHSDNDRFKHRNRSFSRSKSNRSRRSKQPKKEMKAKSRSRASHTKTRGTGSK
 TDSKTHYKSGSRYEKESRKKEPPRSKSQSRSQSRSRSKSRSRSWTSPKSSGH

TRTRPLE - GFP Tag - V

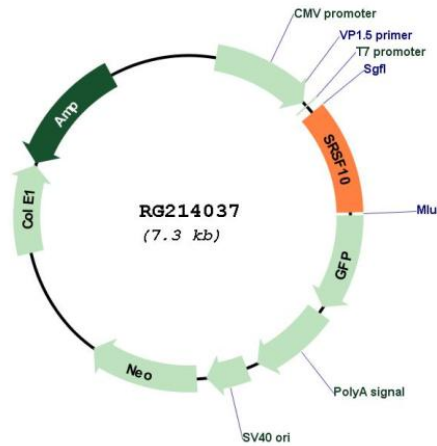
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_054016

ORF Size: 786 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_054016.4](#)

RefSeq Size: 3056 bp

RefSeq ORF: 789 bp

Locus ID: 10772

UniProt ID: [O75494](#)

Cytogenetics: 1p36.11

Domains: RRM

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]