

## Product datasheet for **SC124408**

### **FUSIP1 (SRSF10) (NM\_054016) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FUSIP1 (SRSF10) (NM_054016) Human Untagged Clone
Tag:	Tag Free
Symbol:	FUSIP1
Synonyms:	FUSIP1; FUSIP2; NSSR; PPP1R149; SFRS13; SFRS13A; SRp38; SRp40; TASR; TASR1; TASR2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_054016, the custom clone sequence may differ by one or more nucleotides

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ATGTCCCCTACCTGCGTCCCCCAACACGTCTCTGTTTCGTGAGAACGTGGCCGACGACACCAGGTCTG
AAGACTTGCGGCGTGAATTTGGTCGTTATGGTCTATAGTTGATGTGTATGTTCCACTTGATTTCTACAC
TCGCCGTCCAAGAGGATTTGCTTATGTTCAATTTGAGGATGTTTCGTGATGCTGAAGACGCTTTACATAAT
TTGGACAGAAAGTGGATTTGTGGACGGCAGATTGAAATACAGTTTGCCAGGGGGATCGAAAGACACCAA
ATCAGATGAAAGCCAAGGAAGGGAGGAATGTGTACAGTTCTTACGCTATGATGATTATGACAGATACAG
ACGTTCTAGAAGCCGAAGTTATGAAAGGAGGAGATCAAGAAGTCGGTCTTTTGATTACAACATAGAAGA
TCGTATAGTCCTAGAAACAGTAGACCGACTGGAAGACCACGGCGTAGCAGAAGCCATTCCGACAATGATA
GATTCAAACACCGAAATCGATCTTTTTCAAGATCTAAATCCAATTCAAGATCACGGTCCAAGTCCCAGCC
CAAGAAAGAAATGAAGGCTAAATCACGTTCTAGGTCTGCATCTCACACAAAACCTAGAGGCACCTCTAAA
ACAGATTCCAAAACACATTATAAGTCTGGCTCAAGATATGAAAAGGAATCAAGGAAAAAAGAACCACCTA
GATCCAAATCTCAGTCAAGATCACAGTCTAGGTCTAGGTCAAAATCTAGATCAAGGTCTTGGACTAGTCC
TAAGTCCAGTGGCCACTGA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_054016 unedited  
 NNNTTATTTCCCCCGCCCGTTGNCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTAT  
 ATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGACGCG  
 GCCGGAATTCGGCACGAGGAGAGCCCTCTAGCTGTGTGTGTCTGAGGCTCGGCCGCTG  
 AGCCGCGGACGGTTTGTGAGCCCGTTAGTGCGCCGCGGAGACACGCCGCCCATGT  
 CCCGCTACCTGCGTCCCCCAACACGTCTCTGTTTCGTACAGAACGTGGCCGACGACACCA  
 GGTCTGAAGACTTGCGGCGTGAATTTGGTCGTTATGGTCCTATAGTTGATGTGTATGTTT  
 CACTTGATTTCTACACTCGCCGTCCAAGAGGATTTGCTTATGTTCAATTTGAGGATGTTT  
 GTGATGCTGAAGACGCTTTACATAAATTTGGACAGAAAGTGGATTTGTGGACGGCAGATTG  
 AAATACAGTTTGGCCAGGGGATCGAAAGACACCAAATCAGATGAAAGCCAAGGAAGGGA  
 GGAATGTGTACAGTTCTTACGCTATGATGATTATGACAGATACAGACGTTCTAGAAGCC  
 GAAGTTATGAAAGGAGGAGATCAAGAAGTCGGTCTTTTATTACAATATAGAAGATCGT  
 ATAGTCTAGAAACAGTAGACCGACTGGAAGACCACGGCGTAGCAGAAGCCATTCGANC  
 ATGATAGATTCAAACACCGAAATCGATCTTTTTCAAGATCTAAATCCAATCAAGATCAC  
 GGNTCCAGTCCCAGCCCAGAAAGAAATGAAGGCTANATCACGTTCTAGGTCTGCATCT  
 CACACCAAATAGAGGCACCTCTANACAGATCCANACACATATTAGTCTGGCTCAGAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_054016 unedited  
 NGGTCTACTATGNNACCGCGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTCTTCATTTTGTTTTTATTATAGCATGTTTGCTTAATTTACAGCAAGCA  
 GAAAATAAGCTGGGTCTTGTGTTTATCCAAACATTGATGTTTTAAAGGTTGTACACAATA  
 TTTGTTAAAAAGAACATATAAAAAATACCTTTTTAAAAGCCTCTATAAAAAAGAAAATACA  
 AAGTTTAAACCCACAACCTTCTCTTTGCTAGAACTGTAACACTACTGCTACAGTTTTAAA  
 TAGACTTTTTGTTGTTTAACTATACATCCAGGAAAATCTAAAAAATTAAGAAACGTTG  
 CATATAAACGATTGCATAGCAAAACATGAACATTAACGCAAAACAGTAAAGAAATGAAAG  
 TTAGAAATACTATCAAATATACAAAGGTTCTAGAATCAATCCTTTAAACACATCCACAA  
 ACAGTATTTAAAAATCCATCGTTGATTCTTTACAGGCAAAGCCTAGATTACTAAAACCGA  
 AATTGAAAAAGTAATCCTCTAAAAGGAATCGTTTGGCCATAATTCTTACTTGTATCTGT  
 AAGCAAGCAATCTGAGATTTTTAAAGATGCTAGCTTTTTATTCTGAAATGAAATTGGACA  
 TGTCGAAGTCACTTTTGTCCCAAAACGATCTTTTCGAGAAAATCTGAAATTATAAATGG  
 GGTAAAAGGTATTACCTTCTTTTTTAGTCAGGACCTACACTGATAATCGAAAGCTCAAAA  
 AAAGGGACTCTTGGTTAAAAATGAATAATCCTTTTTCCCAATTAACCTTAAATTTCTTG  
 GGCCCCCAAATACCCTAAAAGAGTGTGGGCTAACAAACATGCCCTCTTTAAAAAAACGG  
 AGGGGGGAAAAGAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_054016

**Insert Size:**

3000 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](mailto: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](#)

**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\\_054016.1](#), [NP\\_473357.1](#)

**RefSeq Size:** 2924 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]

Transcript Variant: This variant (2) represents the longest transcript and encodes the longest isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.