

## Product datasheet for **RG231007**

### **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:** 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:** >RG231007 representing NM\_001191009  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTC**CCGCTACCTGCGTCCCCCAACACGTCTCTGTTTCGT**CAGGAACGTGGCCGACGACACCAGGTCTG  
AAGACTT**CGCGCGTGAATTTGGTCGTTATGGTCTATAGTTGATGTGTATGTTCCACTTGATTTCTACAC**  
TCGCCG**TCCAAGAGGATTTGCTTATGTTCAATTTGAGGATGTTTCGTGATGCTGAAGACGCTTTACATAAT**  
TTGGACAGAAAGTGGATTTGTGGACGGCAGATTGAAATACAGTTTGCC**CAGGGGGATCGAAAGACACCAA**  
ATCAGATGAAAGCCAAGGAAGGGAGGAATGTGTACAGTTCTT**CAGCTATGATGATTATGACAGATACAG**  
ACGTTCTAGAAAGCCGAAGTTATGAAAGGAGGAGATCAAGAAGT**CGGCTTTTTGATTACA**ACTATAGAAGA  
TCGTATAGTCTAGAAAACCAA**ACTGCAGCTGGAATACCCAGTACAGTTCTGCTTACTACTCTCAAGAA**  
AGATC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG231007 representing NM\_001191009  
Red=Cloning site Green=Tags(s)

MSRYLRPPNTSLFVRNVADDTRSEDLRREFGRYGP**IVDVYVPLDFYTRRPRGFAYVQFEDVRDAEDALHN**  
LDRKWICGRQIEIQFAQ**GDRKTPNQMKAKEGRNVYSSSRYYDDYDRYRRSRSYERRRSRSRFDYNYRR**  
SYSPRKPNC**SWNTQYSSAYYTSRKI**

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI





<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001191009.3</u>
<b>RefSeq Size:</b>	1937 bp
<b>RefSeq ORF:</b>	498 bp
<b>Locus ID:</b>	10772
<b>UniProt ID:</b>	<u>O75494</u>
<b>Cytogenetics:</b>	1p36.11
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Spliceosome
<b>Gene Summary:</b>	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]