

## Product datasheet for **MG226387**

### Srsf1 (NM\_001078167) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Srsf1 (NM\_001078167) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Srsf1  
**Synonyms:** 1110054N12Rik; 5730507C05Rik; 6330415C05Rik; A1482334; Asf; AW491331; Sf; Sf2; Sfrs1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG226387 representing NM\_001078167  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGTCGGGAGGTGGTGTGATCCGTGGCCCGCGGGGAACAACGACTGCCGCATCTACGTGGGTAACCTAC  
 CTCGGATATCCGAACCAAGGACATCGAGGACGTGTTTTACAAATACGGCGCCATCCGCGACATCGACCT  
 GAAGAACC CGCGGGGACCGCCCTTCGCCTTCGTTGAGTTCGAGGACCCGCGAGACGCGGAAGATGCG  
 GTGTACGGTCGCGACGGCTACGACTACGACGGCTACCGGCTGCGGGTAGAGTTCCCGAAGCGGCCGCG  
 GGACCGCGGAGGCGCGGGGGTGGAGGCGCGCGCCCGAGAGGCGCTATGGCCCGCGTCCAG  
 GCGGTCCGAGAACAGAGTGGTTGTCTCTGGACTGCCTCCGAGTGAAGCTGGCAGGACTTAAAGGATCAC  
 ATGCGTGAGGCAGGTGATGTATGTTACGCTGATGTTTACCAGATGGCACTGGTGTGCTGGAGTTTGTAC  
 GGAAAGAAGATATGACGTATGCAGTTCGAAAACGGATAACACTAAGTTTAGATCTCACGAGGTAGGTTA  
 TACACTTATTCTTTTTTTGGCCAGAATTGGATACAGTTTTCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG226387 representing NM\_001078167  
 Red=Cloning site Green=Tags(s)

MSGGGVIRGPAGNDCRIYVGNLPPDIRTKDIEDVFYKYGAIRDIDLKNRRGGPPFAFVEFEDPRDAEDA  
 VYGRDGYDYDGYRLRVEFPFRSGRGTGRGGGGGGGAPRGRYPSPRSRSENRRVVVSGLPPSGSWQDLKDH  
 MREAGDVCYADVYRDGTGVVEFVRKEDMTYAVRKL DNTKFRSHEVGYTLILFFGQNWIQFS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_001078167

**ORF Size:** 603 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\\_001078167.2](#), [NP\\_001071635.1](#)

**RefSeq Size:** 5262 bp

**RefSeq ORF:** 606 bp

**Locus ID:** 110809

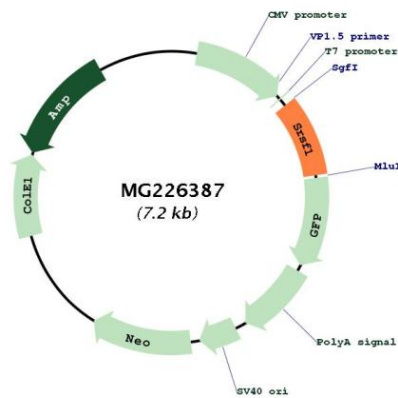
**UniProt ID:** [Q6PDM2](#)

**Cytogenetics:** 11 52.4 cM

**Gene Summary:**

The protein encoded by this gene is a member of the serine/arginine (SR)-rich family of pre-mRNA splicing factors, which constitute part of the spliceosome. Each of these factors contains an RNA recognition motif (RRM) for binding RNA and an RS domain for binding other proteins. The RS domain is rich in serine and arginine residues and facilitates interaction between different SR splicing factors. In addition to being critical for mRNA splicing, the SR proteins have also been shown to be involved in mRNA export from the nucleus and in translation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2010]

**Product images:**



Circular map for MG226387