

## Product datasheet for **MG226398**

### Srsf4 (NM\_020587) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Srsf4 (NM_020587) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Srsf4
Synonyms:	5730499P16Rik; AW550192; MNCb-261; MNCb-2616; Sf; Sfrs4; SR; SRp75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG226398 representing NM\_020587  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCCGGGTGTACATCGGCCCTGAGCTACCAGGCCGGAGCGGATGTGGAGCGTCTTTAAGG  
 GCTACGGGAAGATCCTGGAGGTGGATCTGAAGAACGGGTATGGCTTTGTGGAGTTTGATGATCTGGTGA  
 TGCAGACGATGCTGTTTATGAACTGAACGGCAAAGACCTGTGTGGCAGCGAGTCAATTGTTGAGCACGCT  
 CGAGGCCCGCGCGGGATGGCAGCTACGGCTCGGGACGCAGTGGATATGGTTATCGAAGAAGTGGCCGAG  
 ATAATAACGGTCCCCCTACTCGCACAGAATACAGACTTATTGTGGAGAATTTGTCAAGTCGATGCAGCTG  
 GCAGGACCTAAAGGATTACATGCGTCAGGCAGGAGAAGTACGATGCAGATGCTACAAGGGACGCAAA  
 AACGAAGGAGTGATTGAATTTGTGCTTACTCTGATATGAAAAGAGCTTTGAAAAGCTGGACGGAACTG  
 AAGTCAACGGCAGAAAAATCAGATTAGTTGAAGACAAGCCAGGTTCTAGCGCGCCGGTCTTACTCCAG  
 AAGCCGGAGTCACTCAAGGTCTCGCTCTCGAAGCAGACATCCCGAAGAGCAGAAGCCGGAGTGGTAGC  
 AGTAAAAGCAGCCATTTCGAAGAGCCGGTCTCGATCCAGGTTCAGGTTCCCACTCCCGCAGCAAGAGCCGCA  
 GTCGAGTCAGAGCCGACGCCGAGTAAGAAGGAGAAAAGCCGGAGCCCAAGACAACAAGAGCCG  
 CAGTTCGACGCCGAGCCCTGACAAGAGCCGAGTAAGAGTAAAGACCACGCCGAGGACAAGCTCCAAAAC  
 AACGACAGCGCCGGCAAAGCCAAAGAGCCACAGCCCGCCGATGACAGTAAAAGTCCGAGCAGGAGCC  
 AGGAGAGGAGAGCAGAGGAGGAGAGGGCAAGGAGCGTGAAGAGGCTCGCAGCCAGGAGAAGAGCCGAG  
 CCAGGAGAAGAGCCTTCTCAAGAGCCGACGCCGAGCCGAGCAAGGTGGCAGCCGGAGCCGACGCCG  
 AGCAAGGACAAGCGGAAGGAAGGAAGAGAAGCAGGGACGAAAGTCAAGCCGACGCCGAGCAAGAGCCG  
 AGCCGAGCCGAAAACACAGCAGCAAGCGGGACAGCAAGTCAAGTCAAGCAGCAGCAAGAAAGAAGGA  
 CACCGACCACTCCCGGTACCGTCCCGTCCGGTGTCAAAGGAGCGCAACATGCCAAGGCAGAGTCTGGC  
 CAGAGGAAAGCCGGCAGAGGGTGAAGAGCGAGGCCCAATCCAGAGCCCGGGCCAGGTCAAGATCCA  
 CCTCCAAATCCAAACCAATGTCCCGCAGAGTCCGCTCCAGGTCAAAATCGGCTTCAAAAACACGCTC  
 TCGGTCCAAGTCTCCATCCAGGTCTGCTCCAGGTCCGCTCCCGGTCTAGATCCAGGTCCCACTCAAGG  
 TCC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG226398 representing NM\_020587  
 Red=Cloning site Green=Tags(s)

MPRVYIGRLSYQARERDVERFFKGYGKILEVDLKNYGFVEFDDLRDADDAVYELNGKDLGERVIVEHA  
 RGPRRDGSYSGRSGYGYRRSGRDKYGPPTREYRLIVENLSSRCSWQDLKDYMRQAGEVYADAHKGRK  
 NEGVIIEFVSYSDMKRALEKLDGTEVNGRIRLVEDKPGSRRRRSYSRSHSRSHSRSHSRSHSRSGS  
 SKSSHSKSRSHSRSGSHSRSKSRSSQSRSRSKKEKSRSPSKDNKSRSHSRSPDKSRSKDHAEDKLQN  
 NDSAGKAKSHSPSRHDSKSRSSQERRAEERRRSVSRARSQEKSRQEKSLLSRSHSRSKVGSRSRSHR  
 SKDKRKRGRKSRDESRSHSRSKSERSRKHSSKRDSKVSSSSSKKKKDTDHSRSPSRSHKEREHAKAESG  
 QRESRAEGESEAPNPEPRARSRSTSKSKPNVPAESRSRKSASKTRSRKSPSRASRSPSRSHSRSHR  
 S

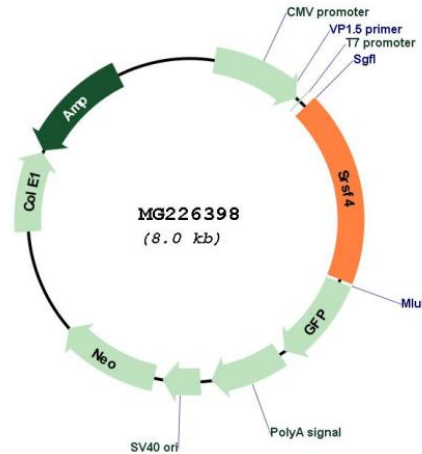
**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul



Plasmid Map:



ACCN: NM\_020587

ORF Size: 1473 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\\_020587.2](#), [NP\\_065612.2](#)

**RefSeq Size:** 2254 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 57317

**Cytogenetics:** 4 D2.3

**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. [provided by RefSeq, Sep 2010]