

Product datasheet for **MG203152**

Srsf1 (NM_173374) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srsf1 (NM_173374) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Srsf1
Synonyms:	1110054N12Rik; 5730507C05Rik; 6330415C05Rik; AI482334; Asf; AW491331; Sf; Sf2; Sfrs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203152 representing NM_173374 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGAGGTGGTGTGATCCGTGGCCCGCGGGGAACAACGACTGCCGCATCTACGTGGGTAACCTAC
CTCCGGATATCCGAACCAAGGACATCGAGGACGTGTTTTACAAATACGGCGCCATCCGCGACATCGACCT
GAAGAACCGCCGCGGGGACCGCCTTCGCCTTCGTTGAGTTCGAGGACCCGCGAGACCGGAAGATGCG
GTGTACGGTCGCGACGGCTACGACTACGACGGCTACCGGCTGCGGGTAGAGTTCCCCGAAGCGGCCGCG
GGACCGCGGAGGCGCGGGGTGGAGGCGCGGCCCGAGAGGCCGCTATGGCCCGCGTCCAG
CGGTCGAGAACAGAGTGGTTGTCTCTGGACTGCCTCCGAGTGAAGCTGGCAGGACTTAAGGATCAC
ATGCGTGAGGCAGGTGATGTATGTTACGCTGATGTTTACCAGATGGCACTGGTGTGCGTGGAGTTTGTAC
GGAAAGAAGATATGACGTATGCAGTTCGAAAACCTGGATAACACTAAGTTTAGATCTCACGAGGGAGAAAAC
TGCTACATCCGGTTAAAGTTGATGGGCCAGAAAGTCCAAGTTATGGAAGATCTCGATCTCGAAGCCGT
AGTCGTAGCAGAAGCCGTAGCAGAAGCAACAGCAGGAGTCGCAGTTACTCCCAAGGAGAAGCAGAGGAT
CACCACGCTATTCTCCCGTCATAGCAGATCTCGCTCTCGTACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203152 representing NM_173374
 Red=Cloning site Green=Tags(s)

MSGGGVIRGPAGNNDCRIYVGNLPPDIRTKDIEDVFYKYGAIRDIDLKNRRGGPPFAFVEFEDPRDAEDA
 VYGRDGYDYDGYRLRVEFPRSGRGTGRGGGGGGGGAPRGRYPSPRRSENRRVVVSGLPSSGSWQDLKDH
 MREAGDVCYADVYRDGTGVVEFVRKEDMTYAVRKL DNTKFRSHEGETAYIRVKVDGPRSPSYGRSRSRSR
 SRSRSRSRNSRSYSPPRRSRGSPRYSRHSR SRRT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173374

ORF Size: 744 bp

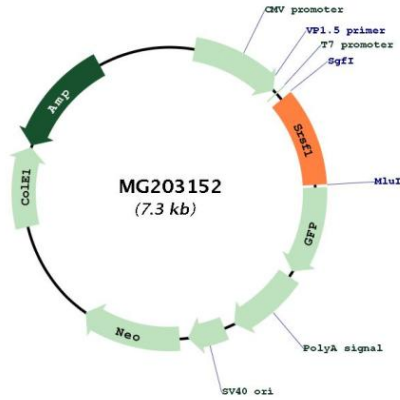
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	<ol style="list-style-type: none">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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_173374.4 , NP_775550.2
RefSeq Size:	5066 bp
RefSeq ORF:	747 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 MG203152