

Product datasheet for **MC207837**

Srsf1 (NM_173374) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srsf1 (NM_173374) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Srsf1
Synonyms:	1110054N12Rik; 5730507C05Rik; 6330415C05Rik; AI482334; Asf; AW491331; Sf; Sf2; Sfrs1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207837 representing NM_173374 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCGGGAGGTGGTGTGATCCGTGGCCCGCGGGGAACAACGACTGCCGCATCTACGTGGGTAACCTAC
CTCCGGATATCCGAACCAAGGACATCGAGGACGTGTTTTACAAATACGGCGCCATCCGCGACATCGACCT
GAAGAACCGCCGCGGGGGACCGCCTTCGCCTTCGTTGAGTTCGAGGACCCGCGAGACCGGAAGATGCG
GTGTACGGTCGCGACGGCTACGACTACGACGGCTACCGGCTGCGGGTAGAGTTTCCCCGAAGCGGCCGCG
GGACCGGCCGAGGCGCGCGGGGTGGAGGCGCGCGCCCGAGAGGCCGCTATGGCCCGCCGTCCAG
GCGGTCCGAGAACAGAGTGGTTGTCTCTGGACTGCCTCCGAGTGGAAAGCTGGCAGGACTTAAAGGATCAC
ATGCGTGAGGCAGGTGATGTATGTTACGCTGATGTTTACCAGATGGCACTGGTGTCTGGAGTTTGTAC
GGAAAGAAGATATGACGTATGCAGTTCGAAAACGGATAACACTAAGTTTAGATCTCACGAGGGAGAAAC
TGCTACATCCGGTTAAAGTTGATGGGCCAGAAAGTCCAAGTTATGGAAGATCTCGATCTCGAAGCCGT
AGTCGTAGCAGAAGCCGTAGCAGAAGCAACAGCAGGAGTCGCAGTTACTCCCAAGGAGAAGCAGAGGAT
CACCACGCTATTCTCCCGTCATAGCAGATCTCGCTCTCGTACAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_173374
Insert Size:	747 bp



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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](#)

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_173374.4](#), [NP_775550.2](#)

RefSeq Size: 5364 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]

Transcript Variant: This variant (1) encodes the longer isoform (1). 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.