

Product datasheet for MC212234

Srsf1 (NM_001078167) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srsf1 (NM_001078167) 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: >MC212234 representing NM_001078167
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGGAGGTGGTGTGATCCGTGGCCCGGGGAACAACGACTGCCGCATCTACGTGGGTAACCTAC
 CTCCGGATATCCGAACCAAGGACATCGAGGACGTGTTTTACAAATACGGCGCCATCCGCGACATCGACCT
 GAAGAACCGCCGGGGGACCGCCTTCGCCTTCGTTGAGTTCGAGGACCCGCGAGACGCGGAAGATGCG
 GTGTACGGTCGCGACGGCTACGACTACGACGGCTACCGGCTGCGGGTAGAGTTTCCCGAAGCGGCCGCG
 GGACCGGCCGAGGCGGGCGGGGTGGAGGCGGCGGCCCCGAGAGGCCGCTATGGCCCGCCGTCCAG
 GCGGTCCGAGAACAGAGTGGTTGTCTCTGGACTGCCTCCGAGTGAAGCTGGCAGGACTTAAAGGATCAC
 ATGCGTGAGGCAGGTGATGTATGTTACGCTGATGTTTACCGAGATGGCACTGGTGTCTGGGATTTGTAC
 GGAAAGAAGATATGACGTATGCAGTTCGAAAACGGATAACACTAAGTTTAGATCTCACGAGGTAGGTTA
 TACACTATTCTTTTTTTGGCCAGAATTGGATACAGTTTTCT**TAA**

ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001078167
Insert Size: 606 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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.
RefSeq:	<u>NM_001078167.2, NP_001071635.1</u>
RefSeq Size:	5560 bp
RefSeq ORF:	606 bp
Locus ID:	110809
UniProt ID:	<u>Q6PDM2</u>
Cytogenetics:	11 52.4 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to 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.</p>