

Product datasheet for **MC226643**

Srsf10 (NM_001284195) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srsf10 (NM_001284195) Mouse Untagged Clone
Tag: Tag Free
Symbol: Srsf10
Synonyms: Fusip1; FUSIP2; Nssr; NSSR1; NSSR2; Sfrs13a; SRrp40; Srsf13a; TAsR; TAsR1; TAsR2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226643 representing NM_001284195
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCCGATACCTGCGCCCCCTAACACGTCTCTGTTTCGTGAGAACGTGGCGGACGACACCAGGTCTG
AAGATTTACGTCGGAATTTGGTCGTTATGGTCCAATAGTAGATGTTTATGTCCCACTTGATTTCTACAC
TCGGCGTCCAAGAGGATTTGCATATGTTCAATTTGAGGATGTTTCGTGATGCTGAAGACGCTTTACATAAT
TTGGACAGAAAATGGATTTGTGGCGTCAGATTGAAATCCAGTTCGCACAGGGGGATCGGAAGACACCAA
ATCAAATGAAAGCCAAGGAAGGGAGGAATGTATACAGCTTTCACGATATGACGATTATGACCGATATAG
ACGCTCTCGAAGCCGGAGTTATGAAAGGAGAAGATCGAGGAGTCGCTCCTTTGATTATAACTATAGGAGA
TCTTACAGTCCTAGAAATAGACCGACTGGAAGACCACGGCGTAGCCGAAGCCATTCGACAATGATAGAT
TCAAACACCGAAATCGATCTTTTTCAAGATCTAAATCCAATCAAGATCACGGTCCAAGTCCCAGCCAA
GAAAGAAATGAAGGCTAAATCACGTTCTAGGTCTGCATCTCACACAAAACACTAGAGGCACCTCTAAAACA
GATTCAAAACACATTATAAGTCTGGCTCAAGATATGAAAAGGAATCAAGGAAAAAAGAACCACCTAGAT
CCAAATCTCAGTCAAGATCACAGTCTAGGTCTAGGTCAAATCTAGGTCAAGGTCTTGACTAGTCCCAA
GTCCAGTGGCCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001284195
Insert Size: 786 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001284195.1</u> , <u>NP_001271124.1</u>
RefSeq Size:	2750 bp
RefSeq ORF:	786 bp
Locus ID:	14105
UniProt ID:	<u>Q9R0U0</u>
Cytogenetics:	4 D3
Gene Summary:	<p>Splicing factor that in its dephosphorylated form acts as a general repressor of pre-mRNA splicing. Seems to interfere with the U1 snRNP 5'-splice recognition of SNRNP70. Required for splicing repression in M-phase cells and after heat shock. Also acts as a splicing factor that specifically promotes exon skipping during alternative splicing. Interaction with YTHDC1, a RNA-binding protein that recognizes and binds N6-methyladenosine (m6A)-containing RNAs, prevents SRSF10 from binding to its mRNA-binding sites close to m6A-containing regions, leading to inhibit exon skipping during alternative splicing (By similarity). May be involved in regulation of alternative splicing in neurons (PubMed:10583508).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 3' coding region, compared to variant 2. It encodes isoform 3, which is shorter than isoform 2.</p>