

## Product datasheet for **RN209643**

### **Srsf2 (NM\_001009720) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Srsf2 (NM\_001009720) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Srsf2  
**Synonyms:** Sfrs2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN209643 representing NM\_001009720  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTACGGCCGCCCGCTCCCGATGTGGAGGGCATGACCTCCCTCAAGGTGGACAACCTGACCTACC  
GCACCTCACCCGACACCCTGAGGCGCGTCTTCGAGAAAGTACGGGCGCGTCGGCGACGTGTACATCCCGCG  
GGACCGCTACACCAAGGAGTCCCGTGGCTTCGCTTTCGTCCGGTCCACGACAAGCGTGACGCCGAAGAC  
GCCATGGACGCCATGGATGGGGCCGTGCTCGATGGCCGCGAGCTCGGGTGCAGATGGCGCGCTACGGCC  
GTCTCCCGACTCGACCACAGCCGCCGGGACCGCCACCCCGTAGGTACGGCGGCGCGGCTACGGGCG  
ACGGAGCCGAGTCTCGGCGCCGCCGGCGCAGCCGATCCCGGAGCCGGAGCCGTTCCAGGTCCCGAAGC  
CGCTCTCGCTACAGCCGCTCCAAGTCTCGGTCCCGCACTCGTTCTCGCTCGAGGTCCGACCTCCAAGTCCA  
GATCTGCCGAAGATCCAAGTCCAAGTCTCGTCCGATCCCGCTCGAGGTCCAGGTCCAGGTCCAGGTCC  
GCGATCCAGAAGTCTCCGCCTGTGTGCAAGAGAGAGTCCAAGTCTAGGTCCGGTCCAAGAGCCCCACCC  
AAGTCTCCAGAAGAAGAGGGAGCGGTTTCATCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001009720  
**Insert Size:** 666 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001009720.2</a></u> , <u><a href="#">NP_001009720.1</a></u>
<b>RefSeq Size:</b>	1901 bp
<b>RefSeq ORF:</b>	666 bp
<b>Locus ID:</b>	494445
<b>UniProt ID:</b>	<u><a href="#">Q6PDU1</a></u>
<b>Cytogenetics:</b>	10q32.2
<b>Gene Summary:</b>	Necessary for the splicing of pre-mRNA. It is required for formation of the earliest ATP-dependent splicing complex and interacts with spliceosomal components bound to both the 5'- and 3'-splice sites during spliceosome assembly. It also is required for ATP-dependent interactions of both U1 and U2 snRNPs with pre-mRNA. The phosphorylated form (by SRPK2) is required for cellular apoptosis in response to cisplatin treatment (By similarity). [UniProtKB/Swiss-Prot Function]