

## Product datasheet for **SC106245**

### SFRS7 (SRSF7) (AF055270) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS7 (SRSF7) (AF055270) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRSF7
Synonyms:	9G8; AAG3; SFRS7
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AF055270, the custom clone sequence may differ by one or more nucleotides

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ATGTATGTTGGTAACCTGGGAAC TGGCGCTGGCAAAGGAGAGTTAGAAAGGGCTTCAGTTATTATTGTCT
TAGACTGGATGATTGAAGGGACATTATGCTTATATTGTCAATCGTTCAGCCGGCGAAGAAGAAGCAGGTC
ACGGTCTAGATCACATCTCGATCCAGAGGAAGGCGATCTCTCGCTCACGCAGCAGGAGCAGGGGACGAAG
GTCAAGGTCAGCATCTCTCGACGATCAAGATCTATCTCTCTTCGTAGATCAAGATCAGCTTCACTCAGAA
GATCTAGGTCGTGTTCTATAAGGATCGAGGTATTCAACCGTCGAGGTCAAGATCAAGATCCAGCTATTA
CGACCAAGAAGCAGCCGATCAAGTCCAGACTCATTCAAGAGTGTCCATAGAGTCTCGATGCTTCCGCGCG
TTGGGAGCTCTCCATATGGACTAGTGATTAGTCAGCCACGCCAGGGGATGAAGGACTGTACAAGGAGT
GTGAAGAGGAATGGGGACCACGGGAAGCTGGTGGGGTCTCACCCATCTGTGGTTTTAGTCCGATGGAA
CAGATACTATCCCATCCACAGAAAGCCTTTATCTACTAGGAGACTAAGAAAAAGAAAAATACTCAGACTT
GCTAGGACCACAGGTGTGGGTGTTTGTGGGAAAAAGTATTGGGAAGATCGGGGTCCATAGGGCGAGGCG
TCTCTGATCCCCTTTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for AF055270 unedited AAACCGTTCCAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACCAGGCGGGT GAAGGTGTGTGTGTCAGCTTTTGCCTCACTCGAGCCCTGGGCGCTGCTTAAAGAGCCGA GCACGCGGGTCTGTCATCATGTCGCGTTACGGGCGGTACGGAGGAGAAACCAAGGTGTAT GTTGGTAACCTGGGAACCTGGCGTGGCAAAGGAGAGTTAGAAAGGGCTTTCAGTTATTAT GGTCCTTTAAGAACTGTATGGATTGCGAGAAATCCTCCAGGATTTGCCTTTGTGGAATTC GAAGATCCTAGAGATGCAGAAGATGCAGTACGAGGACTGGATGGAAAGGTGATTTGTGGC TCCCGAGTGAGGGTTGAACTATCGACAGGCATGCCTCGGAGATCACGTTTTGATAGACCA CCTGCCCGACGTCCCTTTGATCCAAATGATAGATGCTATGAGTGTGGCGAANAGGACAT TATGCTTATGATTGTCATCGTTACAGCCGGCGAAGAAGAAGCAGGTATTTATTTAATAA AGGAATGGTTGGTATTCTAGTTAATCAAGTAATCTTTTATTAGCAAGGCAGAACTAGT GTTTTTCTATAAACTTGAATGTTAATTGTACAGGTGATTTTACAATTTTGTTTAATTA AAAAAATGTTACTATATTAATAATCAACCTGGTCAAAACCTTTCAGGTTTCTTCGTTTGA GTCAGTCGCCTTGATTGAGAATGTCACGAGCCTTATGATATCATGCTGAGGCGCCTTTGC AATCCGACAATTAGATCCTCCTAGCCTTTGGAGTGATCAGCATAAGAGCCAGATTCCTC GAGTCATCTACACCTAGCTTCAACTTATTCTTTAAGGGCAGAAAATTTGAGACGGTGATC GCCGTTACAGTTAATTTG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AF055270
<b>Insert Size:</b>	2750 bp
<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="#">AF055270.1</a></u> , <u><a href="#">AAF00003.1</a></u>
<b>RefSeq Size:</b>	1341 bp
<b>RefSeq ORF:</b>	1341 bp
<b>Locus ID:</b>	6432
<b>Cytogenetics:</b>	2p22.1
<b>Protein Pathways:</b>	Spliceosome

**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 N-terminal RNA recognition motif (RRM) for binding RNA and a C-terminal 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2018]