

## Product datasheet for **SC105794**

### SFRS3 (SRSF3) (AF107405) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS3 (SRSF3) (AF107405) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFRS3
Synonyms:	SFRS3; SRp20
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AF107405, the custom clone sequence may differ by one or more nucleotides

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ATGCATCGTGATTCCCTGTCCATTGGACTGTAAGGTTTATGTAGGCAATCTTGAAACAATGGCAACAAGA  
CGGAATTGGAACGGGCTTTTGGCTACTATGGACCACTCCGAAGTGTGTGGTTGCTAGAAACCCACCCGG  
CTTTGCTTTTGTGAATTTGAAGATCCCCGAGATGCAGCTGATGCAGTCCGAGAGCTAGATGGAAGAACA  
CTATGTGGCTGCCGTGTAAGAGTGGAACTGTGCAATGGTGAAAAAGAAGTAGAAATCGTGGCCACCTC  
CCTTTGGGGTCGTCGCCCTCGAGATGATTATCGTAGGAGGAGTCCTCCACCTCGTCGCAGATCTCCAAG  
AAGGAGAAGCTTCTCTCGCAGCCGGAGCAGGTCCCTTTCTAGAGATAGGAGAAGAGAGATCGCTGTCT  
CGGGAGAGAAATCACAAGCCGTCCCGATCCTTCTAGGTCTCGTAGTCGATCTAGTCAAATGAAAGGA  
AATAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for AF107405 unedited</p> <pre> TTCAAATTTTGTAAATACGACTACTATAGGGCGGCNCGCGAATTCGCACGAGGGGTGAGT GAGAGAGTTGGTTGGTGTGGGCCGGAGGAAAGCGGGAAGACTCATCGGAGCGTGTGGAT TTGAGCCGCCGCATTTTTAAACCCTAGATCTCGAAATGCATCGTGATTCTGTCCATTGG ACTGTAAGGTTTATGTAGGCAATCTTGGAAACAATGGCAACAAGACGGAATTGGAACGGG CTTTTGGTACTATGGACCACTCCGAAGTGTGTGGTGTGCTAGAAACCCACCCGGCTTTG CTTTTGTGAATTTGAAGATCCCCGAGATGCAGCTGATGCAGTCCGAGAGCTAGATGGAA GAACACTATGTGGCTGCCGTGTAAGAGTGAACGTGCGAATGGTAAAAAAGAAGTAGAA ATCGTGGCCACCTCCCTCTTGGGGTCTGCGCCCTCGAGATGATTATCGTAGGAGGAGTC CTCCACCTCGTCGAGATCTCCAAGAAGGAGAAGCTTCTCTCGCAGCCGGAGCAGGTCCC TTTCTAGAGATAGGAGAAGAGAGAGATCGCTGTCTCGGGAGAGAAATCACAAGCCGTCCC GATCCTTCTCTAGGTCTCGTAGTCGATCTAGGTCAAATGAAAGGAAATAGAAGACAGTTT GCAAGAGAAGTGGTGTACAGGAAATTAATTCATTTGACAGGAGTATGTACAGAAAATTCA AGTTTTGTTTGGACTTCATAAGCTTGGTGCATTTTTAAGATGTTTTAGCTGTTCAAATC TGTTTGTCTCTTGAACAGTGACACAAAGTATTCTCTATGGTNTGAAATGGACATACGA GGCATGTATACCAAGAATGNTACTTTACATGTTCCCTTAGCAAAATGATTTGCTTGAAC TTAGTATGCCAGACTGATATAACTCTAACTGCCACGNAGGGTGNTTTTTAAATAA </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for AF107405 unedited</p> <pre> GCACGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTAAACAATTTGTAACCAAACTTT AATCCCAAGGATTCTCACAAAACATATTACAAATGACAGCATGAAAAAAAAATCTTGCAC AGTAACTCAAAGTTCGGCTCTACAATGTACCCTTAACTGGCAGGACATTTTTGAAATCA CAAATTTGCACATAAAGAATGTCACGAACAGCCATGTATCCATATACAGCAATCAAATAA GGAACCTATGACCTAAAGCAAAGGTAAACTTTCTTGAAACTTAACATTCTATACCAACTA GGCAACCTCTGCCAGGATGAGAGTTGGATTTTTCAAAAACCTCTAATTTAATAGTGCAG CATTTCGTTTTCCCTGATGGCCTGTGTTTACAGCAGTTTTTAAAGACTGCTTGTTCAC TATAGTCGAGCCTATATCCCAGCTATGGAAAAAAAGTAAATCTTAGTTCAATTTTTGC CAGTTGTTTCTGTATTTAAATTTAAAAAAAACACACTCCGCTGGGCAGGTTTAGAGGT TTATTATCAGTCTGTGCATAACTAAAAGTTCAAAGCAAATTCATTTTGCCTAAGGGAAC ATTGTAAGTAACAATTTTGGTATTACATGCCTCGTATGATCCATTTCAAACCATAGAG AATTACACCTTTGTGTCAGTGTTCATGAGACAAACAGATTTGAACAGCTAAACATCTTA AAAATGCACCAAGCTTATGAAGTCTCAAACAAAACCTTGAATTTCTGTACATACTCCCTG TCAAATGAAGTTATTTTCTGTACACCCTCCTCTTGCAAACCTGTCTCTATTCCCCT CCATCTGACCTAGATCGACTACCAGACCTANAGAAAGNATCCGGACGGCTTGTGATTTCT CTTCCGAAAAGCGATCCCTCTCTTCTATCCTATAAAGGACCGCTCCGCTGGAAAGAAC TTCTCTGCGGATCGGACAGTGAAGACCTCTACAATN </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AF107405
<b>Insert Size:</b>	1430 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="#">AF107405.1</a></u> , <u><a href="#">AAD44523.1</a></u>
<b>RefSeq Size:</b>	2060 bp
<b>RefSeq ORF:</b>	495 bp
<b>Locus ID:</b>	6428
<b>Cytogenetics:</b>	6p21.31-p21.2
<b>Domains:</b>	RRM
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>Protein Pathways:</b>	Spliceosome
<b>Gene Summary:</b>	<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, one protein-coding and the other non-coding, have been found for this gene. [provided by RefSeq, Sep 2010]</p>