

## Product datasheet for **SC118249**

### SFRS3 (SRSF3) (NM\_003017) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS3 (SRSF3) (NM_003017) 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:	>OriGene ORF within SC118249 sequence for NM_003017 edited (data generated by NextGen Sequencing)

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ATGCATCGTGATTCCCTGTCCATTGGACTGTAAGGTTTATGTAGGCAATCTTGAAACAAT
GGCAACAAGACGGAATTGGAACGGGCTTTTGGCTACTATGGACCACTCCGAAGTGTGTGG
GTTGCTAGAAACCCACCCGGCTTTGCTTTTGTGAATTTGAAGATCCCCGAGATGCAGCT
GATGCAGTCCGAGAGCTAGATGGAAGAACAATATGTGGCTGCCGTGTAAGAGTGGAACTG
TCGAATGGTGAAAAAGAAGTAGAAATCGTGGCCACCTCCCTCTTGGGGTCGTCGCCCT
CGAGATGATTATCGTAGGAGGAGTCCACCTCGTCGCAGATCTCAAGAAGGAGAAGC
TTCTCTCGCAGCCGGAGCAGGTCCCTTTCTAGAGATAGGAGAAGAGAGAGATCGCTGTCT
CGGGAGAGAAATCACAAGCCGTCGCCGATCCTTCTCTAGGTCTCGTAGTCGATCTAGGTCA
AATGAAAGGAAATAG
```

Clone variation with respect to NM\_003017.4



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_003017 unedited  CGACTCACTATAGGGCGGCCGCGATTCCGGCACGAGGAGAGAGAGTTGGTTGGTGTGGGC  CGGAGGAAAGCGGGAAGACTCATCGGAGCGTGTGGATTGAGCCGCCGATTTTTTAACC  CTAGATCTCGAAATGCATCGTGATTCTGTCCATTGGACTGTAAGGTTTATGTAGGCAAT  CTTGAAACAATGGCAACAAGACGGAATTGGAACGGGCTTTTGGCTACTATGGACCACTC  CGAAGTGTGTGGTTGCTAGAAACCCACCCGGCTTTGCTTTTGTGAATTTGAAGATCCC  CGAGATGCAGCTGATGCAGTCCGAGAGCTAGATGGAAGAACAATATGTGGCTGCCGTGTA  AGAGTGGAACTGTGCAATGGTGAAGAAAGAAAGTGAAGAAATCGTGGCCACCTCCCTTTGG  GGTCGTCGCCCTCGAGATGATTATCGTAGGAGGAGTCCCTCCACCTCGTCGCAGATCTCCA  AGAAGGAGAAGCTTCTCTCGCAGCCGGAGCAGGTCCCTTTCTAGAGATAGGAGAAGAGAG  AGATCGTGTCTCGGAGAGAAAACAAGCCGTCCTTCTAGGTCTCGTAGTC  GATCTAGTCAAATGAAAGGAAATAGAAGACAGTTTCAAGAGAAGTGGTGTACAGGAAA  TTACTTCAATTTGACAGGAGTATGTACAGAAATCAAGTTTGTGTTGAGACTTCATAGCTG  GTGCATTTAAGATGTTAGCTGTCAAATCTGTTGTCTCTGAACAGTACACAAAGGTGT  AATCTCTATGGTTGAAATGGACATACNAGCATGTATACCAAGAATTGTACTTTTACATGN  TCCTTAAACAAANTNNGATTGCTTGAACCTTTAGTATGCACGACTGATNATAACTCTAAC  CTGCACGGGAAGGTGGTTTTTTTTAATTTATACGAACACTGGCAAATGACTAGATTCTTT  TTTTACGCTGGGATAGCGNGACTAGTGACAACACCTAAACGT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_003017 unedited  GACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTTCATTATGATTTA  ATCTAATTGCACAAAAATTTGAAATTACAACACCTGCCATTTTCTAAGAGGAAGGTTATG  CATGCCTCCATATCAATTCTGCACTGTTACATTTGAACCATATTGTGAACCTTTACATC  ATGATGGATCAGCTTAAATCCCATGCAACACCTCAAATATAAAATGGAAGCAATTTT  TAGACCTGTGAAAGTTTTATGCTAAAGATAAAAGCCATTTGTTAATGGCAACTTACT  TTGTGTTAAGAACCAGGTTGCTGCTATACTTTAAATGTTGGTCAATAATATTATGGA  CCCTGAACTGGCTTCTATGCCTAAAAAAAAAAAAAAAAATGGGTTAACTATCACTTAGGTGAC  ATCTATATTTCTTCACTTCAGAAGACTAATCCATAGTGCCTCTCAGCTGTTTCTTATAA  AATAAGAATCGTGAACCAACTGCTTCCCATGGGATAAGAACAATGGTAACAGTGGGTTT  AACTGACTATACACAATTATGCTAATATTTTAAATTTCAAAGCACTTTACAAGAAAAT  ATCAGTATTGGCTTCCAATAGGAATGTTATCCCTGGACTTGGTACCAAGCTCACAGATTT  GAGTTTGACGGAAAAACAAGCTTTTAAAGTTAAAGACAATTTTGTACCCAAAACCTTAAAT  CCCAAGGATTTCTCCAAAACCTTATTACAAATGACCGGCCTGGAAAAAAATTTCTGGC  CAGTAACCTCAAAGTTCGGCCTTAACATGTACCCTTAACTGGCAGGACCTTTTGAACA  CACACAATTTGCCCTAAAGAATGGTCCAACCACCTTGTATCCTATTACCGGCATTAAT  TAGGGACCTTAGGAN</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003017
<b>Insert Size:</b>	2090 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).

**Reconstitution Method:**

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:** [NM\\_003017.3](#), [NP\\_003008.1](#)

**RefSeq Size:** 2060 bp

**RefSeq ORF:** 495 bp

**Locus ID:** 6428

**UniProt ID:** [P84103](#)

**Cytogenetics:** 6p21.31-p21.2

**Domains:** RRM

**Protein Families:** Stem cell - Pluripotency

**Protein Pathways:** 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 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]  
Transcript Variant: This variant (1) is the protein-coding variant. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.