

## Product datasheet for **SC116596**

### SFRS4 (SRSF4) (NM\_005626) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS4 (SRSF4) (NM_005626) Human Untagged Clone
Tag:	Tag Free
Symbol:	SFRS4
Synonyms:	SFRS4; SRP75
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC116596 sequence for NM\_005626 edited (data generated by NextGen Sequencing)

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ATGCCGCGGGTGTACATCGGCCGCTGAGCTACCAGGCCCGGAGCGCGATGTGGAGCGC
TTCTTTAAGGGCTACGGGAAGATCTCGGAGGTGGATCTGAAGAACGGATATGGTTTTGTG
GAGTTTGATGATCTGCGTGATGCAGATGATGCTGTTTATGAACTGAATGGCAAAGACCTT
TGTGGTGAGCGAGTAATTGTTGAGCATGCCCGCGGCCACGGCGAGATGGCAGTTACGGT
TCTGGACGCAGTGGATATGGTTATAGAAGAAGTGGCCGAGATAAATATGGCCCTCTACT
CGCACAGAGTACAGACTTATTGTGGAGAATTTGTCAAGTCGGTGCAGCTGGCAAGACCTA
AAGGATTATATGCGTCAGGCAGGAGAAGTGACTTATGCAGATGCTCACAAGGGACGCAAA
AATGAAGGGGTGATTGAATTTGTATCTTATTCTGATATGAAAAGAGCTTTGGAAAAGTTG
GATGGAAGTGAAGTCAATGGGAGAAAAATCAGATTAGTTGAAGACAAGCCAGGTTCCAGA
CGACGCCGGTCTACTCCAGAAGCCGGAGTCATTCAAGGTCTCGCTCTCGAAGCAGACAT
TCCCGTAAGAGCAGAAGCCGAAGTGGCAGCAGCAAAAGCAGTCATTCTAAGAGTAGATCT
CGGTCCAGGTCGGGCTCCCGCTCCCGGAGCAAGAGCCGGAGCCGGAGCCAGAGTCGGAGC
CGGAGCAAGAAAGAGAAAAGCAGGAGCCCCAGCAAGGACAAGAGCCGAGCCGACGCCAT
AGCGCTGGCAAGAGCCGAGCAAGAGCAAAAGACCAAGCTGAAGAGAAGATCCAAAACAAT
GACAATGTCTGGGAAACCAAGAGCCGGAGTCTAGCAGGCATAAAAAGTAAGAGCAAAAAGT
CGGAGCAGGAGTCAAGAGAGGAGAGTGGAGGAGGAGAAGCGAGGGAGTGTGAGCAGGGGC
AGGAGCCAGGAGAAGAGCCTCCGCCAGAGTCCGGAGCCGGAGCAGGAGCAAAAGCGGGCAGC
AGGAGCCGGAGCAGGAGCCGAGCAAGAGCAAGGACAAGAGGAAGAGCAGGAAGAGAAGC
AGAGAGGAGAGCCGAGTCCGAGTCCGAGCCGAGCAAGAGTGAAGAGGAGCAGAAAGCGA
GGCAGCAAGCGAGACAGCAAGCCGGGCAGCAGCAAGAAGAAGAAGAAGGAAGACACTGAC
CGCTCCCAGTCCAGATCTCCATCCCGCTCCGTGTCAAAGGAGCGGGAACATGCCAAGTCT
GAATCCAGCCAGAGGGAAGGTCCGAGGAGAGAGTGAAGTGTGGCACCATCAGGAGACC
CGTCCAGGTCGAGATCCAATTCAAAATCGAAACCAAACCTTCCATCAGAATCACGCTCC
AGATCAAAGTCAGCTTCAAAAACCCGATCTCGGTCCAAGTCTAGATCCAGGTCTGCTTCC
AGATCGCCCTCCCGATCTAGATCTAGGTCCCACTCAAGGTCTCTAA
    
```

Clone variation with respect to NM\_005626.4

759 a=>c;1013 g=>c;1066 g=>a

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_005626 unedited
GTCAGGATTATGTAATACGACTTACNTATAGGGACGGCCGCGCAATTCGGCAGGAGGCC
GCCCCCGCGTTGCCGCGCCGCGGCTGCCGCGGTGCTCTCGCTTTGCCCGCCGCCGCTA
AGGGGGCTGGGGCCGGGCGCAGCCATCACTGCCGTTGCCGGATGCCCGGGTGTACATC
GGCCGCTGAGCTACCAGGCCGGGAGCGCGATGTGTTTTCGCTTCTTTAAGGGTACGG
GAAGATCCTGGAGTGGATCTGAAGAACGGATATGGTTTTGTGGAGTTTGATGATCTGCC
TGATGCAGATGATGCTGTTTATGAACTGAATGGCAAAGACCTTTGTGGTGAAGAGTAAT
TGTTGAGCATGCCCGCGGCCACGGCGAGATGGCAGTTACGGTCTGGACGCAAGTGGATA
TGGTTATAGAAGAAGTGGCCGAGATAAATATGGCCCTCTACTCGCACAGAGTACAGACT
TATTGTGGAGAATTTGTCAAGTCGGTGCAGCTGGCAAGACCTAAAGGATTATATGCGTCA
GGCAGGAGAAGTACTTATGCAGATGCTCACAAGGACGCAAAAATGAAGGGGTGATCGA
ATTTGTATCTTATTCTGATATGAAAAGAGCTTTGGAAAAGTTGGATGGAAGTGAAGTCAA
TGGGAGAAAAATCAGATTAGTTGAAGACAAGCCAGGTTCCAGACGACGCCGGTCTACTC
CAGAGCCGGAGTCATTCAAAGTCTCGCTCTCGAAGCAGACATTCCCGGTAGAGCAGAAGC
CGAAGTGCCAGCACAAAAGCAGTCATTCTAAGAGTAGATCCTCGTCCAAGTCGGGCTCC
CGCTCCCGGAGCAGAGCCGNACCCGAGCCANAGTTCGACCGGAGCAAGAAAGAAAAGCA
GAGCCCCACAAGACAANAGCC
    
```

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_005626 unedited GCGGCACGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTATATAAAACAATATAATCA CAATACCAGAATATGGAAGTCTACAGTTTATTTTCTATGGGTTACTGCAGGTATCAATTT TCCTCGACTGTGCTATTCACAACCTTTGTTAAGTCCAAAAATATGAAACCAAAGTGGTAGG AAACTTAAGACTTAGCACTTTCACTAAATGGCATAACATCGAAGGGCATCAATTCAGAGC AAAAATGGTTGAACTCACCATACTACCTATGTGGTCATTCCAGCCTTAGAGCCGTCCAG GTTACTGAGCTCCCTGTAGGAAAGGCCAGGCCTGAAAGCCAAGGCGTTTTGGATATTCTA CTGTGGGCCATGAGTAAAAGGGGATTTTCAAAGAGAAAAATTTTTTCAGTCGAGCAGGAA GGCCTGGTGCCAGGAGGCTTTACTGAGAGGAAGCACTTAGATTTAACAATTATAGACACA CCATTAGGGGAGTTAAAAATGTACAGCAGTGACATGTTCTACTCCAATCACTTGTGCTAC GGCTACCAAACATGTACAAAAGACTTCTCGGGTAGTTCAGCTGTGGCCATAGCCAGTTA GGACCTTGAGTGGGACCTAGATCTAGATCGGGAGGGCGATCTGGAAGCAGACCTGGATCT AGACTTGGACCGAGATCGGGTTTTGAAGCTGACTTTGATCTGGAGCGTGATTCTGATGG AAGTTTTGGTTTTCGAATTGGAATTGGATCTCGACCTGGACCGGGGTCTCTGATGGNTGC CAGCATTCTCACTCTCTCTCGACCTTTCTCTGGCTGGATTCACTGGNCATGGTCCC CGCTCCTTTGACACGAGCGGNATGGANATCTGGACTGGGAGCGGNCANNNGNCTCCCTC TCTTCTTCTTGCTGCTGCCGCCCTGCTGNCCGCTTGCTGCTCGCTTCTGCTCTCTAC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005626
<b>Insert Size:</b>	2350 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="#">NM_005626.3</a></u> , <u><a href="#">NP_005617.2</a></u>
<b>RefSeq Size:</b>	2158 bp
<b>RefSeq ORF:</b>	1485 bp
<b>Locus ID:</b>	6429
<b>UniProt ID:</b>	<u><a href="#">Q08170</a></u>
<b>Cytogenetics:</b>	1p35.3
<b>Domains:</b>	RRM

**Protein Pathways:** Spliceosome

**Gene Summary:** This gene encodes a member of the arginine/serine-rich splicing factor family. The encoded protein likely functions in mRNA processing. [provided by RefSeq, Feb 2009]