

## Product datasheet for **SC323930**

### SF2 (SRSF1) (NM\_006924) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SF2 (SRSF1) (NM_006924) Human Untagged Clone
Tag:	Tag Free
Symbol:	SF2
Synonyms:	ASF; SF2; SF2p33; SFRS1; SRp30a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_006924.4  
 GGCCTGTTCTCGAGTCCGCGCTTTTCGTACCCGCATGTCCGGAGGTGGTGTGATTTCGTG  
 GCCCCGCAGGGAACAACGATTGCCGCATCTACGTGGGTAACCTCCAGACATCCGAA  
 CCAAGGACATTGAGGACGTGTTCTACAAATACGGCGCTATCCGCGACATCGACCTCAAGA  
 ATCGCCGCGGGGACCGCCCTTCGCCTTCGTTGAGTTCGAGGACCCGCGAGACGCGGAAG  
 ACGCGGTGATGGTCGCGACGGCTATGATTACGATGGTACCCTGCTGCGGGTGGAGTTTC  
 CTCGAAGCGGCCGTGGAACAGGCCGAGGCCGCGGGGTGGAGGTGGCGGAGCTCCCC  
 GAGGTCGCTATGGCCCCCATCCAGGCGGTCTGAAAACAGAGTGGTTGTCTCTGGACTGC  
 CTCCAAGTGAAGTTGGCAGGATTTAAAGGATCACATGCGTGAAGCAGGTGATGTATGTT  
 ATGCTGATGTTTACCGAGATGGCACTGGTGTCTGGAGTTGTACGAAAAGAAGATATGA  
 CCTATGCAGTTCGAAAACGGATAACACTAAGTTTAGATCTCATGAGGGAGAACTGCCT  
 ACATCCGGTTAAAGTTGATGGGCCAGAAGTCCAAGTTATGGAAGATCTCGATCTCGAA  
 GCCGTAGTCGTAGCAGAAGCCGTAGCAGAAGCAACAGCAGGAGTCGCAGTTACTCCCCAA  
 GGAGAAGCAGAGGATCACCACGCTATTCTCCCCGTATAGCAGATCTCGTCTCGTACAT  
 AAGATGATTGGTGACACTTTTTGTAGAACCATGTTGTATACAGTTTTCTTTTATTCACT  
 ACAATCTTTTCATTTTTAATCAAACGTTTTGTTCAGAAATGGGCTAAAGTGTGAATT  
 GCATTCTGTAAATATCCCCTTGCTCCTAACATCTACATTCCTTCGTGTCTTTGATAAAT  
 TGTATTTAAGTGATGTCATAGACAGGATTGTTTAAATTTAGTTAACTCCATACTCTTCA  
 GACTGTGATATTGTGAAATGCTATCTGCCCTGGTTTGTGTGAACTGGGATGTTGGGG  
 TGTGTGTGTTTACCTGGGAAAGTCTTATGTTTATCTTGCTTTTCATGTGTCTTT  
 CTGTAGACATATCTGAAGAGATGGATTAAGAATGCTTTGGATTAAGGATTGTGGAGCACA  
 TTTCAATCATTTTAGGATTGTCAAAGGAGGATTGAGGAGGATCAGATCAATAATGGAGG  
 CAATGGTATGACTCCAAGTCTATTGTACAGATGAAATGGCAGTATTGACCTTATACT  
 AAAAGGCAGGGTTAAAATGATTATATACATTTTCTTAAAACACTTGCAAAACATTTTA  
 TTCAGTTGCTTTAGCTACAATTGCTTTGCTTTTTAAACCTTGGCAATTGTGGCAAAAT  
 ATATTGCCATTTTGTAGCAACTATTTTGTCCCTTCCCCCATTTTTGTTTTAATAGG  
 GACTAATGTGGGAAGAACTGGCTAATTTGTACAGTGCTTAGTTACAACGTTAATGTGT  
 GACCTGCTGTTGGTGTACATGTGGGTACAGGGTGTTTTTAAATCCAACAAGATAGAGTAT  
 AATATCAATACTGCTAAATCTGCATGCTCCTCTGTGTGACTGATAGAGCGTTGCTATTTCA  
 TTTTTTAAAGACAAAATGAAAGCAAAATATAGAGTTCCAATGATTGGTGTAGATAATCT  
 AGTTGGGAATACTTTAAGTCTCACCTTCCCCTTAAACTAATATTCATAATTGGTTCAT  
 ATGTTTAAAAGACTTTAATTTACAAATTAATTTGCAAATGGGAGCATTAGATTTAGTTTT  
 AGACTTAGGTGGGTAGCAATGCCAGTAACTTAAATTACGTAACCTTCTTGCAACCACGAA  
 ACCTGTAATACGCTGTACAGTAACAAGTGTGGCATTATCAGTTGAACTGTAAATACAAA  
 ATGCTTCTTCAAATTAGTCTCTATGATGATTAAGTTTCTAAAATTTATCTGAACACCATT  
 CAGAAACTTGTGTTGGGAAATTTGATAGTATTGATGTGCATCTGTTAAACTGATGACAG  
 ACATAACTCATCATTTCCCAGAAACCTTTTTGATTACAGTATCTAACATTTTGCCTCCT  
 CTTGTTGTTTTGCTGGTTATAAAGTTTGGATTGGAGAGGGCTCACTGGATCCCAATC  
 CTTGGAGCTGGATCATTGGATTCAAATCATAATGTGGATAGGATAGGGAGGATGAATTAC  
 CAGGATTCATGGAGCGGGATCAGATTACCAGGAACATAGGAGTGGATTCTGCCCCAACCC  
 AAACCGCATTCTGTGGATTTTTTATTCAACTTAATTGGCTATTCCAAAGATTTTTTTTT  
 TTCTATTTTTGACGATTGGAGCCCTAAGATGCACGATGGAATTGTGTTTTGCGTTTTT  
 TGGTAAAAGGAGCAAAGCGAGGACCTGGAGATAAACGCTGGAGCAATCTCCTTGGAAAGGA  
 TTCAGCACGAGTAGATGGTAAACATTTAAAGGGGAAAGGGGGGTTTGTAAAAATAGTA  
 AATCAGTAAGTCACTTCTAAATTTAAAGAAAACAAAATTTGGAGTTGAAGAATAAGTAGGT  
 TTCCAATTGGCTATTGCCGTTTTCTTTGAAAAATAAACATTTTTTAAAAACAAAAAAA  
 AAAAAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_006924

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**Components:** 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\\_006924.4](#), [NP\\_008855.1](#)

**RefSeq Size:** 5468 bp

**RefSeq ORF:** 747 bp

**Locus ID:** 6426

**UniProt ID:** [Q07955](#)

**Cytogenetics:** 17q22

**Domains:** RRM

**Protein Families:** Stem cell - Pluripotency

**Protein Pathways:** Spliceosome

**Gene Summary:**

This gene encodes a member of the arginine/serine-rich splicing factor protein family. The encoded protein can either activate or repress splicing, depending on its phosphorylation state and its interaction partners. Multiple transcript variants have been found for this gene. There is a pseudogene of this gene on chromosome 13. [provided by RefSeq, Jun 2014]  
Transcript Variant: This variant (1) encodes the longer isoform (1, also known as ASF-1).  
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.