

Product datasheet for **SC115786**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_006924 edited ATGTCGGGAGGTGGTGTGATTTCGTGGCCCCGAGGGAACAACGATTGCCGCATCTACGTG GGTAACTTACCTCCAGACATCCGAACCAAGGACATTGAGGACGTGTTCTACAAATACGGC GCTATCCGCGACATCGACCTCAAGAATCGCCGCGGGGACC GCCCTTCGCCTTCGTTGAG TTCGAGGACCCGCGAGACGCGGAAGACGCGGTGTATGGTCGCGACGGCTATGATTACGAT GGGTACCGTCTGCGGGTGGAGTTTCTCGAAGCGGCCGTGGAACAGGCCGAGCGCGCGC GGGGGTGGAGGTGGCGGAGCTCCCCGAGGTCGCTATGGCCCCCATCCAGGCGGTCTGAA AACAGAGTGGTTGTCTCTGGACTGCCTCCAAGTGGAAAGTTGGCAGGATTTAAAGGATCAC ATGCGTGAAGCAGGTGATGTATGTTATGCTGATGTTTACCGAGATGGCACTGGTGTCTGTG GAGTTTGTACGGAAGAAGATATGACCTATGCAGTTCGAAAACCTGGATAACACTAAGTTT AGATCTCATGAGGAGAAACTGCCTACATCCGGGTTAAAGTTGATGGGCCAGAAAGTCCA AGTTATGGAAGATCTCGATCTCGAAGCCGTAGTCGTAGCAGAAGCCGTAGCAGAAGCAAC AGCAGGAGTCGCAGTTACTCCCCAAGGAGAAGCAGAGGATCACCCACGCTATTCTCCCCGT CATAGCAGATCTCGCTCTCGTACATAA
Restriction Sites:	ECoRI-NOT
ACCN:	NM_006924
Insert Size:	2000 bp



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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 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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_006924.1.

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_006924.1](#), [NP_008855.1](#)

RefSeq Size: 1428 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.