

Product datasheet for **SC315598**

SFRS12 (SREK1) (NM_001077199) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SFRS12
Synonyms:	SFRS12; SRrp86; SRrp508
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >SC315598 representing NM_001077199.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGAACAGCGGCGGCGCTTCGGTTTGGGCTTAGGCTTCGGCTCACCCCCACGTCGGTGATTACAGTG
 ACGAATCTGTCGTCGGCGGTGACGAGCAGATGCGGACGCTTTTCTTCTAGGAGAAATCGAG
 GAGCTGCGGCTCTACCCCGGACACGCACCTCTGCTTTTCTCCAAAGTATGTTATGTTAAGTTT
 CGTGATCCATCAAGTGTTGGCGTGGCCAGCATCTAAACACGCTTTTATTGACAGAGCTCTGATA
 GTTGTCTCTGTGCAGAAGGTAATCCAGAGGAATCCAAAGCCCTCTCTTATTGGCTCTGCTCCA
 ACCATGACAAGTCTGATGCCTGGTGCAGGATTGCTTCCAATACCGACCCCAATCCTTGACTACTCTT
 GGTGTTTCACTTAGCAGTTTGGGAGCTATACCAGCAGCAGCACTAGACCCCAACATTGCAACACTTGA
 GAGATACCAGCCACCCTTATGGGAAACGTGGATCCTTCCAAATAGATGAAATTAGGAGAACGGTT
 TATGTTGGAATCTGAATCCAGACAACGACGCTGATCACTACTTGAATTTTTAAACAAGTTGGA
 GAAGTGAAGTTTGTGGGATGGCAGGTGATGAGACTCAGCCAACTCGTTTGTCTTTGTGGAATTTGCA
 GACCAAAATCTGTACCAAGGGCCCTTGCTTTTAAATGGAGTTATGTTTGGAGACAGGCCACTGAAAAA
 AATCACTCCAAATGCAATAGTAAACCCCTGAGATGACACCTCAGGCTGCAGCTAAGGAGTTAGAA
 GAAGTAATGAAGCGAGTACGAGAAGCTCAGTCATTTATCTCAGCAGCTATTGAACAGAGTCTGGAAG
 AGCAATGAAAGAAAAGCGGTGATCTCGTTCCATACTCGCTCAAAATCCAGGTCTAGCTCAAAATCC
 CATTCTAGAAGGAAAAGATCACAATCAAAACACAGGAGTAGATCCATAATAGATCAGTTCAAGACAG
 AAAGACAGACGTAGATCTAAGAGCCACATAAAAAACGCTCTAAATCAAGGGAGAGACGGAAGTCAAGG
 AGTCGTTGCGATTACGGGACAAGAGAAAAGCACTCGAGAAAAGATCAAGGAAAAGGAAAGAGTGAAA
 GAGAAAAGACAGGAAAAGGAGAGAGAGAGGAAAAGGAACGTGAAAAGAAAAGGAACGGGTAAAAAC
 AAAGACCGGGACAAGGAACGGGAAAAGGACCGGAAAAGACAAGGAAAAGGACAGAGAGAGAGAACGG
 GAAAAAGAGCATGAGAAGGATCGAGACAAAGAGAAGGAAAAGGAACAGGACAAAGAAAAGGAACGAGAA
 AAAGACAGATCCAAAGAGATAGATGAAAAAGAAAGAGGATAAAAAATCCAGAACACCCACCCAGGAGT
 TACAATGCATCGCAAGATCTCGTAGTTCCAGCAGGAAAAGGCGTAGGAGGAGGAGCAGGAGTTCTTCC
 AGATCGCCAAGAATCAAAAACCATAAAAAGGAAATCTTCTAGATCTCCGTCCCCCAGGACAGAAAT
 AAGAAGGATAAAAAAGAGAGAAAAAGAAAGGACCATCAGTGAAAGAAGAGAGAGAGAACGTTCAACG
 TCTATGAGAAAGAGTTCTAATGATAGAGATGGGAAGGAGAAGTTGGAGAAGAACGTAAGTCACTTAAA
 GAGAAAGAGCACAATAAAGAACGATTCAAGTGTGAGCAAGAAGTAGATGACAAGGATGCACCAAGG
 ACTGAGGAAAACAAATACAGCACAATGGGAATTGTCAGCTGAATGAAGAAAACCTCTACCAAAAA
 GAAGCAGTATAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001077199

Insert Size: 1875 bp

OTI Disclaimer: 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).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001077199.2</u>
RefSeq Size:	6782 bp
RefSeq ORF:	1875 bp
Locus ID:	140890
UniProt ID:	<u>Q8WXA9</u>
Cytogenetics:	5q12.3
MW:	71.6 kDa
Gene Summary:	This gene encodes a member of a family of serine/arginine-rich (SR) splicing proteins containing RNA recognition motif (RRM) domains. The encoded protein interacts with other SR proteins to modulate splice site selection. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012] Transcript Variant: This variant (1) encodes the longest isoform (α). 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.