

Product datasheet for **SC310306**

SFRS12 (SREK1) (NM_139168) 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:

>SC310306 representing NM_139168.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAAGTCTGATGCCTGGTGCAGGATTGCTTCCAATACCGACCCCAATCCTTTGACTACTCTTGGT
GTTTCACTTAGCAGTTTGGGAGCTATACCAGCAGCAGCACTAGACCCCAACATTGCAACACTTGGAGAG
ATACCACAGCCACCACTTATGGGAAACGTGGATCCTTCCAAAATAGATGAAATTAGGAGAACGGTTTAT
GTTGAAATCTGAATCCAGACAACGACAGCTGATCAACTACTTGAATTTTTTAAACAAGTTGGAGAA
GTGAAGTTTGTGCGGATGGCAGGTGATGAGACTCAGCAACTCGGTTTGTCTTTGTGGAATTTGCAGAC
CAAAATCTGTACCAAGGGCCCTTGTCTTTAATGGAGTTATGTTTGGAGACAGGCCACTGAAATAAAT
CACTCCAACAATGCAATAGTAAACCCCTGAGATGACACCTCAGGCTGCAGCTAAGGAGTTAGAAGAA
GTAATGAAGCGAGTACGAGAAGCTCAGTCATTTATCTCAGCAGCTATTGAACCAGAGCTGGAAAGAGC
AATGAAAGAAAAGGCGGTCGATCTCGTTCCCATACGCTCAAAATCCAGGTCTAGCTCAAAATCCCAT
TCTAGAAGGAAAAGATCACAATCAAAACACAGGAGTAGATCCCATATAGATCACGTTCAAGACAGAAA
GACAGACGTAGATCTAAGAGCCACATAAAAAACGCTCTAAATCAAGGGAGAGACGGAAGTCAAGGAGT
CGTTCGCATTCACGGGACAAGAGAAAAGACACTCGAGAAAAGATCAAGGAAAAGGAAAGAGTGAAAGAG
AAAGACAGGGAAAAGGAGAGAGAGAGGAAAAGAACGTGAAAAAGAAAAGAACGGGTAAAAACAAA
GACCGGGACAAGGAACGGGAAAAGGACCGGAAAAGACAAGGAAAAGGACAGAGAGAGAGAACGGGAA
AAAGAGCATGAGAAAGATCGAGACAAAGAGAAAGGAAAAGAACAGGACAAAGAAAAGAACGAGAAAAA
GACAGATCCAAAGAGATAGATGAAAAAGAAAGAGGATAAAAAATCCAGAACACCCAGGAGTTAC
AATGCATCGCAAGATCTCGTAGTTCCAGCAGGAAAGGCGTAGGAGGAGGAGCAGGAGTTCTTCAGA
TCGCCAAGAACATCAAAACCATAAAAAGGAAATCTTCTAGATCTCCGTCCCCAGGAGCAGAAAATAG
AAGGATAAAAAGAGAGAAAAAGAAAGGACACATCAGTGAAAGAAAGAGAGAGAGAACGTTCAACGTCT
ATGAGAAAGAGTTCTAATGATAGAGATGGGAAGGAGAAGTTGGAGAAGAACAGTACTTCACTTAAAGAG
AAAGAGCACAATAAAGAACAGATTCAAGTGTGAGCAAGAAAGTAGATGACAAGGATGCACCAAGGACT
GAGGAAAACAAAATACAGCACAATGGGAATTGTGAGCTGAATGAAGAAAACCTCTCTACCAAAACAGAA
GCAGTATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:

Sgfl-MluI

ACCN:

NM_139168

Insert Size:

1527 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).

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|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution Method: | <ol style="list-style-type: none"> 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_139168.3</u> |
| RefSeq Size: | 6935 bp |
| RefSeq ORF: | 1527 bp |
| Locus ID: | 140890 |
| UniProt ID: | <u>Q8WXA9</u> |
| Cytogenetics: | 5q12.3 |
| Domains: | RRM |
| MW: | 59.4 kDa |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and uses a downstream, in-frame start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus compared to isoform a. 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.</p> |