

## Product datasheet for **SC331186**

### SC35 (SRSF2) (NM\_001195427) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SC35 (SRSF2) (NM\_001195427) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SC35  
**Synonyms:** PR264; SC-35; SC35; SFRS2; SFRS2A; SRp30b  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331186 representing NM\_001195427.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGAGCTACGGCCGCCCCCTCCCGATGTGGAGGGTATGACCTCCCTCAAGGTGGACAACCTGACCTAC
CGCACCTCGCCGACACGCTGAGGCGCGTCTTCGAGAAGTACGGGCGCGTCGGCGACGTGTACATCCCG
CGGGACCCTACACCAAGGAGTCCCGGGCTTCGCCTTCGTTTCGTTTTCACGACAAGCGCAGCTGAG
GACGCTATGGATGCCATGGACGGGGCCGTGCTGGACGGCCGCGAGCTGCGGGTGCAAATGGCGCGCTAC
GGCCGCCCCCGACTCACACCACAGCCCGGGGACCGCCACCCCGCAGGTACGGGGCGGTGGCTAC
GGACGCCGGAGCCGAGCCCTAGGCGGGTCCGCGCAGCCGATCCCGAGTCGGAGCCGTCCAGGTCT
CGCAGCCGATCTCGCTACAGCCGCTCGAAGTCTCGGTCCCGCACTCGTTCTCGATCTCGTCCGACCTCC
AAGTCCAGATCCGCACGAAGGTCCAAGTCCAAGTCTCGTTCGATCTCGTTCGCGGTCCAGG
TCCCGGTCTCGGTCCAGGAGTCTCCCGAGTGTCCAAGAGGGAATCAAATCCAGGTCGCGATCGAAG
AGTCCCCCAAGTCTCCTGAAGAGGAAGGAGCGGTGTCCTCTAA
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001195427  
**Insert Size:** 666 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).  
**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:**

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\\_001195427.1](#)

**RefSeq Size:** 2008 bp

**RefSeq ORF:** 666 bp

**Locus ID:** 6427

**UniProt ID:** [Q01130](#)

**Cytogenetics:** 17q25.1

**Protein Families:** Stem cell - Pluripotency, Transcription Factors

**Protein Pathways:** Spliceosome

**MW:** 25.5 kDa

**Gene Summary:** The protein encoded by this gene is a member of the serine/arginine (SR)-rich family of pre-mRNA splicing factors, which constitute part of the spliceosome. Each of these factors contains an RNA recognition motif (RRM) for binding RNA and an RS domain for binding other proteins. The RS domain is rich in serine and arginine residues and facilitates interaction between different SR splicing factors. In addition to being critical for mRNA splicing, the SR proteins have also been shown to be involved in mRNA export from the nucleus and in translation. Two transcript variants encoding the same protein and one non-coding transcript variant have been found for this gene. In addition, a pseudogene of this gene has been found on chromosome 11. [provided by RefSeq, Sep 2010]

Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.