

## Product datasheet for SC118248

### SC35 (SRSF2) (NM\_003016) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SC35 (SRSF2) (NM_003016) Human Untagged Clone
Tag:	Tag Free
Symbol:	SC35
Synonyms:	PR264; SC-35; SC35; SFRS2; SFRS2A; SRp30b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC118248 representing NM_003016. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCTACGGCCGCCCCCTCCCGATGTGGAGGGTATGACCTCCCTCAAGGTGGACAACCTGACCTAC
CGCACCTCGCCGACACGCTGAGGCGCTCTCGAGAAGTACGGGCGCTCGGCGACGTGTACATCCCG
CGGGACCGCTACACCAAGGAGTCCCGGGCTTCGCCTTCGTTTCGTTTACGACAAGCGGACGCTGAG
GACGCTATGGATGCCATGGACGGGGCCGTGCTGGACGGCCGCGAGCTGCGGGTGCAAATGGCGCGTAC
GGCCGCCCCCGACTCACACCACAGCCCGGGGACCGCCACCCCGAGGTACGGGGCGGTGGCTAC
GGACGCCGGAGCCGAGCCCTAGGCGGGTCCGCCGAGCCGATCCCGAGTCGGAGCCGTTCCAGGTCT
CGCAGCCGATCTCGCTACAGCCGCTCGAAGTCTCGGTCCCGCACTCGTTCTCGATCTCGGTCCAGCTCC
AAGTCCAGATCCGCACGAAGGTCCAAGTCCAAGTCTCGTTCGATCTCGTTCCGCGTCCAGG
TCCCGGTCTCGGTCCAGGAGTCTCCCGAGTGTCCAAGAGGGAATCCAATCCAGGTCCGCGATCGAAG
AGTCCCCCAAGTCTCCTGAAGAGGAAGGAGCGGTGTCTCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja3417_f06.zip">https://cdn.origene.com/chromatograms/ja3417_f06.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_003016
Insert Size:	666 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](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](#)

**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\\_003016.4](#)

**RefSeq Size:** 3003 bp

**RefSeq ORF:** 666 bp

**Locus ID:** 6427

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

**Cytogenetics:** 17q25.1

**Domains:** RRM

**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 (1) represents the longest transcript. Variants 1 and 2 both encode the same protein.