

## Product datasheet for **RG233476**

### SC35 (SRSF2) (NM\_001195427) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SC35 (SRSF2) (NM\_001195427) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SC35  
**Synonyms:** PR264; SC-35; SC35; SFRS2; SFRS2A; SRp30b  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG233476 representing NM\_001195427  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTACGGCCGCCCCCTCCCGATGTGGAGGGTATGACCTCCCTCAAGGTGGACAACCTGACCTACC  
GCACCTCGCCGACACGCTGAGGCGCGTCTTCGAGAAAGTACGGGCGCGTCGGCGACGTGTACATCCCGCG  
GGACCGCTACACCAAGGAGTCCCGCGGCTTCGCCTTCGTTTCGCTTTCACGACAAGCGCGACGCTGAGGAC  
GCTATGGATGCCATGGACGGGGCCGTGCTGGACGGCCGCGAGCTCGGGTGCAAATGGCGCGCTACGGCC  
GCCCCCGGACTCACACCACAGCCGCCGGGACCACCACCCGAGGTACGGGGCGGTGGCTACGGACG  
CCGGAGCCGACGCCCTAGGCGGGCTCGCCGACGCCGATCCCGGAGTCGGAGCCGTTCCAGGTCTCGCAGC  
CGATCTCGCTACAGCCGCTCGAAGTCTCGTCCCGCACTCGTTCTCGATCTCGGTTCGACCTCCAAGTCCA  
GATCCGCACGAAGGTCCAAGTCCAAGTCTCGTCCGATCTCGTTTCGGGTCCAGGTCCCGGTC  
TCGGTCCAGGAGTCTCCCCAGTGTCCAAGAGGGAATCCAAATCCAGGTTCGCGATCGAAGAGTCCCCC  
AAGTCTCTGAAGAGGAAGGAGCGGTGTCCTCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG233476 representing NM\_001195427  
Red=Cloning site Green=Tags(s)

MSYGRPPPDVEGMTSLKVDNLTYRTSPDTLRRVFEKYGRVGDVYIPDRYTKESRGFAFVRFHDKRDAED  
 AMDAMDGAVLDGRELRVQMARYGRPPDSSHHSRRGPPRRYGGGGYGRRSRSPRRRRRSRSRSRSRSRS  
 RSRYSRSKSRSTRSRSTSKRSARRSKSKSSSVSRSRSRSRSPPPVSKRESKRSRSRSKSP  
 KSPREEGAVSS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001195427

**ORF Size:** 663 bp

**OTI Disclaimer:** 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:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001195427.1](#), [NP\\_001182356.1](#)

**RefSeq Size:** 2008 bp

**RefSeq ORF:** 666 bp

**Locus ID:** 6427

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

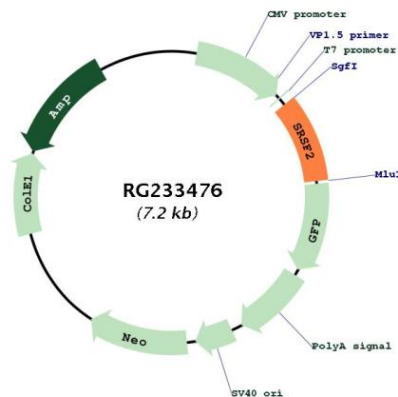
**Cytogenetics:** 17q25.1

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

**Protein Pathways:** Spliceosome

**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]

### Product images:



Circular map for RG233476