

Product datasheet for **RG209842**

SC35 (SRSF2) (NM_003016) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SC35 (SRSF2) (NM_003016) 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:	>RG209842 representing NM_003016 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGCTACGGCCGCCCCCTCCCGATGTGGAGGGTATGACCTCCCTCAAGGTGGACAACCTGACCTACC
GCACCTCGCCGACACGCTGAGGCGCGTCTTCGAGAAAGTACGGGCGCGTCGGCGACGTGTACATCCCGCG
GGATCGCTACCAAGGAGTCCCGCGGCTTCGCCTTCGTTTCGCTTTCACGACAAGCGCGACGCTGAGGAC
GCTATGGATGCCATGGACGGGGCCGTGCTGGACGGCCGCGAGCTGCGGGTCAAATGGCGCGCTACGGCC
GCCCCCGGACTCACACCACAGCCGCCGGGACCACCACCCGAGGTACGGGGCGGTGGCTACGGACG
CCGGAGCCGACGCCCTAGGCGGGCTCGCCGACGCCGATCCCGGAGTCGGAGCCGTTCCAGGTCTCGCAGC
CGATCTCGCTACAGCCGCTCGAAGTCTCGTCCCGCACTCGTTCTCGATCTCGGTTCGACCTCCAAGTCCA
GATCCGCACGAAGGTCCAAGTCCAAGTCTCGTTCGGTCTCCAGATCTCGTTTCGGGTCCAGGTCCCGGTC
TCGGTCCAGGAGTCTCCCCAGTGTCCAAGAGGGAATCCAAATCCAGGTTCGCGATCGAAGAGTCCCCC
AAGTCTCTGAAGAGGAAGGAGCGGTGTCCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209842 representing NM_003016
Red=Cloning site Green=Tags(s)

MSYGRPPPDVEGMTSLKVDNLTYRTSPDTLRRVFEKYGRVGDVYIPDRDYTKESRGFAFVRFHDKRDAED
 AMDAMDGAVLDGRELRVQMARYGRPPDSSHHSRRGPPRRYGGGGYGRRSRSPRRRRRSRSRSRSRSRS
 RSRYSRSKSRSRTRSRSRSTSKRSARRSKSKSSSVSRRSRSRSRSRSRSPPPVSKRESKRSRSRSKSP
 KSPEEEGAVSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003016

ORF Size: 663 bp

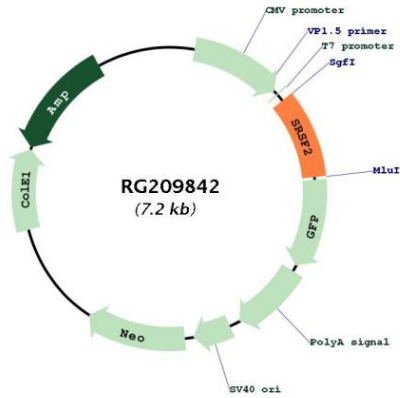
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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 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](#)

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:	<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.
RefSeq:	NM_003016.3
RefSeq Size:	2923 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
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 RG209842