

Product datasheet for **RG213304**

SF2 (SRSF1) (NM_001078166) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SF2 (SRSF1) (NM_001078166) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SRSF1
Synonyms: ASF; SF2; SF2p33; SFRS1; SRp30a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG213304 representing NM_001078166
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGAGGTGGTGTGATTTCGTGGCCCCGAGGAACAACGATTGCCGCATCTACGTGGGTAACCTTAC
CTCCAGACATCCGAACCAAGGACATTGAGGACGTGTTCTACAAATACGGCGCTATCCGCGACATCGACCT
CAAGAATCGCCGGGGGACCGCCCTTCGCCTTCGTTGAGTTCGAGGACCCGCGAGACCGGAAGACGCG
GTGTATGGTCGCGACGGCTATGATTACGATGGTACCGTCTCGGGTGGAGTTTCTCGAAGCGGCCGTG
GAACAGGCCGAGGCGCGGGGGTGGAGGTGGCGGAGCTCCCGAGGTCGCTATGGCCCCCATCCAG
GCGGTCTGAAAACAGAGTGGTTGTCTCTGGACTGCCTCCAAGTGAAGTTGGCAGGATTTAAAGGATCAC
ATGCGTGAAGCAGGTGATGATGTTATGCTGATGTTTACCAGATGGCACTGGTGTCTGGAGTTTGTAC
GGAAAGAAGATATGACCTATGCAGTTCCAAAACGGATAACACTAAGTTTAGATCTCATGAGGTAGGTTA
TACACGTATTCTTTCTTTGACCAGAATTGGATACAGTGGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213304 representing NM_001078166
Red=Cloning site Green=Tags(s)

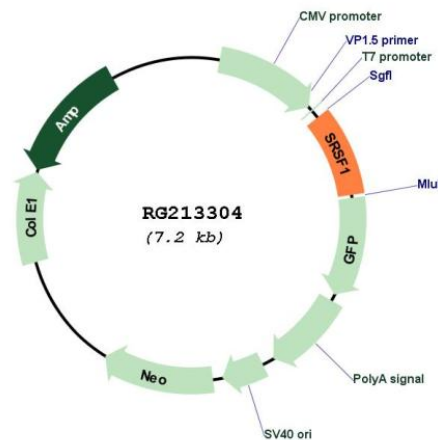
MSGGGVIRGPAGNDCRIYVGNLPPDIRTKDIEDVFYKYGAIRDIDLKNRRGGPPFAFVEFEDPRDAEDA
VYGRDGYDYDGYRLRVEFPRSGRGTGRGGGGGGGAPRGRYGPSSRRSENRRVVVSGLPPSGSWQDLKDH
MREAGDVCYADVYRDGTGVVEFVRKEDMTYAVRKLDNTRKFRSHEVGYTRILFFDQNWIIQWS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001078166

ORF Size: 603 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_001078166.2](#)

RefSeq Size: 5668 bp

RefSeq ORF: 606 bp

Locus ID: 6426

UniProt ID: [Q07955](#)

Cytogenetics: 17q22

Protein Families: Stem cell - Pluripotency

Protein Pathways: Spliceosome

Gene Summary: This gene encodes a member of the arginine/serine-rich splicing factor protein family. The encoded protein can either activate or repress splicing, depending on its phosphorylation state and its interaction partners. Multiple transcript variants have been found for this gene. There is a pseudogene of this gene on chromosome 13. [provided by RefSeq, Jun 2014]