

Product datasheet for RG231072

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SFRS7 (SRSF7) (NM_001195446) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SFRS7 (SRSF7) (NM_001195446) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: SRSF7

Synonyms: 9G8; AAG3; SFRS7

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG231072 representing NM_001195446
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

 ${\tt TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC}$

GCCGCGATCGCC

TCCCCATCAGGAAGTCCTCGCAGAAGTGCAAGTCCTGAAAGAATGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA





Protein Sequence: >RG231072 representing NM_001195446

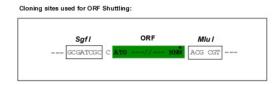
Red=Cloning site Green=Tags(s)

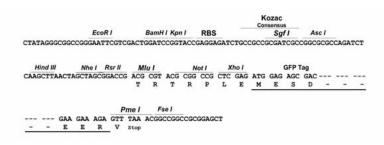
MSRYGRYGGETKVYVGNLGTGAGKGELERAFSYYGPLRTVWIARNPPGFAFVEFEDPRDAEDAVRGLDGK VICGSRVRVELSTGMPRRSRFDRPPARRPFDPNDRCYECGEKGHYAYDCHRYSRRRSRSRSRSHSRSRG RRYSRSRSRSRGRRSRSASPRRSRSISLRRSRSASLRRSRSGSIKGSRYFQSPSRSRSRSRSISRPRSSR SPSGSPRRSASPERMD

Restriction Sites:

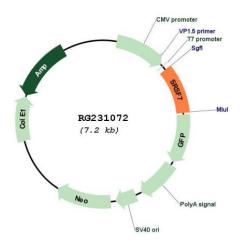
Sgfl-Mlul

Cloning Scheme:





Plasmid Map:



ACCN: NM_001195446

ORF Size: 678 bp



SFRS7 (SRSF7) (NM_001195446) Human Tagged ORF Clone - RG231072

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 001195446.1, NP 001182375.1

 RefSeq Size:
 2453 bp

 RefSeq ORF:
 681 bp

 Locus ID:
 6432

 UniProt ID:
 Q16629

Cytogenetics: 2p22.1

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 N-terminal RNA recognition motif (RRM) for binding RNA and a C-terminal 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. Multiple transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, May 2018]