

Product datasheet for **RG201227**

SFRS4 (SRSF4) (NM_005626) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS4 (SRSF4) (NM_005626) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SFRS4
Synonyms:	SFRS4; SRP75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG201227 representing NM_005626
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCGGGTGTACATCGGCCCTGAGCTACCAGGCCGGAGCGGATGTGGAGCGCTCTTTAAGG
 GCTACGGGAAGATCCTGGAGGTGGATCTGAAGAACGGATATGGTTTTGTGGAGTTTGATGATCTCGGTGA
 TGCAGATGATGCTGTTTATGAACTGAATGGCAAAGACCTTTGTGGTGAAGCGAGTAATTGTTGAGCATGCC
 CGCGGCCACGGCGAGATGGCAGTTACGGTCTGGACGCAGTGGATATGGTTATAGAAGAAGTGGCCGAG
 ATAATATGGCCCTCTACTCGCACAGAGTACAGACTTATTGTGGAGAATTTGTCAAGTCGGTGCAGCTG
 GCAAGACCTAAAGGATTATGCGTCAGGCAGGAGAAGTACTTATGCAGATGCTCACAAGGGACGCAAA
 AATGAAGGGGTGATTGAATTTGTATCTTATTCTGATATGAAAAGAGCTTTGGAAAAGTTGGATGAACTG
 AAGTCAATGGGAGAAAAATCAGATTAGTTGAAGACAAGCCAGGTTCCAGACGACGCCGGTCTACTCCAG
 AAGCCGGAGTCATTCAAGGTCTCGCTCTCGAAGCAGACATCCCGTAAGAGCAGAAGCCGAAGTGGCAGC
 AGCAAAAGCAGTCATTCTAAGAGTAGATCTCGGTCCAGGTCGGGCTCCCGCTCCCGGAGCAAGAGCCGGA
 GCCGGAGCCAGATCGGAGCCGGAGCAAGAAAGAGAAAAGCAGGAGCCCCAGCAAGGAAAAGAGCCCGAG
 CCGCAGCCATAGCGCTGGCAAGAGCCGCAGCAAGAGCAAAAGCAAGCTGAAGAGAAGATCCAAAACAAT
 GACAATGTCCGGAAACCAAGAGCCGGAGTCTAGCAGGCATAAAAGTAAGAGCAAAAGTCCGAGCAGGA
 GTCAGGAGAGGAGTGGAGGAGGAGAAGCAGGGAGTGTGAGCAGGGGCAGGAGCCAGGAGAAGAGCCT
 CCGCCAGAGTCCGAGCCGGAGCAGGAGCAAAAGGGGCAGCAGGAGCCGGAGCAGGAGCCGCAGCAAGAGC
 AAGGACAAGAGGAAGGGCAGGAAGAGAAGCAGAGAGGAGAGCCGAGTCCGAGTCCGAGCCGAGCAAGA
 GTGAGAGGAGCAGAAAGCGAGGCAGCAAGCGAGACAGCAAGCGGGCAGCAGCAAGAAGAAGAAGGAA
 AGACTGACCGCTCCAGTCCAGATCTCCATCCCGCTCCGTGTCAAAGGAGCGGGAACATGCCAAGTCT
 GAATCCAGCCAGAGGGAAGGTCGAGGAGAGTGAAGTCTGGACCAATCAGGAGACCCGGTCCAGGT
 CGAGATCCAATTCAAAATCGAAACCAAACCTTCCATCAGAATCACGCTCCAGATCAAAGTCAAGTCTCAA
 AACCCGATCTCGGTCCAAGTCTAGATCCAGGTCTGCTTCCAGATCGCCCTCCCGATCTAGATCTAGGTCC
 CACTCAAGGTCC

ACCGGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG201227 representing NM_005626
 Red=Cloning site Green=Tags(s)

MPRVYIGRLSYQARERDVERFFKGYGKILEVDLKNYGFVEFDLDRDADDAVYELNGKDLGERVIVEHA
 RGPRRDGSYSGRSGYGYRRSGRDKYGPPTREYRLIVENLSSRCSWQDLKDYMRQAGEVYADAHKGRK
 NEGVIIEFVSYSMDKRALEKLDGTEVNGRIRLVEDKPGSRRRRSYSRSHSRSHSRSHSRSHSRSHSRSGS
 SKSSHKSRSRSGSRSRSKSRSSQSRSRSKKEKSRSPSKEKSRSRSHSAGKSRSKSKDQAEKIQNN
 DNVGPKPSRSPSRHKSRSRSPQERRVEEEKRGSVSRGRSQEKSLRQSRSRSRKGGSRSRSRSKS
 KDKRKGRKRSREESRSPSRSRKSRKSRKRSKAGSSKKKKKEDTDRSQSRSPSRSVSKEREHAKS
 ESSQREGRESENAGTNQETRSRSPSRNSKSKPNLPSESRSRSKASKTRSRSKSRSRASRSPSRSRSR
 HSRS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_005626

ORF Size: 1482 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_005626.5](#)

RefSeq Size: 2158 bp

RefSeq ORF: 1485 bp

Locus ID: 6429

UniProt ID: [Q08170](#)

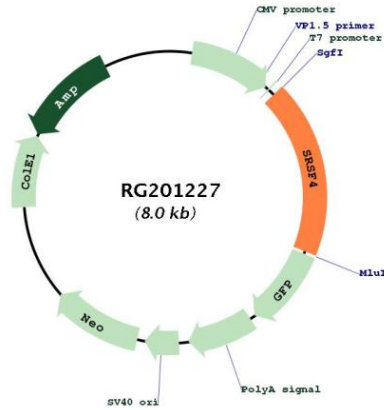
Cytogenetics: 1p35.3

Domains: RRM

Protein Pathways: Spliceosome

Gene Summary: This gene encodes a member of the arginine/serine-rich splicing factor family. The encoded protein likely functions in mRNA processing. [provided by RefSeq, Feb 2009]

Product images:



Circular map for RG201227