

Product datasheet for **RG227016**

SFRS15 (SCAF4) (NM_001145444) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS15 (SCAF4) (NM_001145444) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SFRS15
Synonyms:	SFRS15; SRA4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227016 representing NM_001145444 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACGCCGTCAACGCCTTCAACCAGGAGCTCTTTTCGCTTATGGATATGAAACCTCCCATCTCTAGAG
 CCAAGATGATTCTCATCTAAAGCTGCTATTAAGCTATTAAGTGTAAACCAGAATAACAAGTTCCGGG
 ATTATATGTAATTGACTCAATTGTGCGACAGTCTCGTCATCAGTTTGAAGTGAATAAGATGTTTTGGG
 CCAAGATTCTCTAAAAACATAACTGCCACATTCCAATATTTATATCTTTGTCCATCTGAAGATAAGAGTA
 AAATAGTTCGTGTGCTGAACCTTTGGCAAAAAATGGAGTGTTCAAAATTGAAATTATTCACCTCTTTT
 GGACATGGCAGCGGAACCAAGTAAATGCAGCCCCAGTAGCAGAAAATGTTACCAATAATGAAGGCTACCT
 CCACCTCCAGTAAAGTTTCTTCTGAACCTCCACACAAGCCACTCCAACTCCGTCCTCCAGCTGTACCAC
 AGTTGCCAGCTCTGATGCTTTTCTGCTGTGGCTCAGCTGTTTCAGACAACCTCAAGGCCAACAGCTTCA
 GCAGATCCTTCAGACTTTTCAACAGCCTCCAAAACCAAGTCTCCTGCCCTTGACAATGCTGTGATGGCT
 CAGGTTCAAGCTATCACAGCTCAGTTAAAGACAACCTCTACACAACCATCTGAACAAAAAGCTGCTTCC
 CCCACCTGAACAGAAAAGTGCATTTGACAAGAAGTTGCTTGATAGATTTGACTATGATGATGAGCCAGA
 AGCTGTGGAAGAATCAAAGAAAGAGGATACCACTGCCGTCAACACGACAGCACCTGCTGCCGAGTACCC
 CCTGCACCCACCGCCACCGTGCTGCTGCTGCACCCGCTGCTGCTCTCCTCCTCCTCCACAGGCAC
 CATTTGGCTTTCTGGAGATGGCATGCAGCAGCCAGCATACACACAGCATCAAAATATGGATCAGTTTCA
 GCCACGAATGATGGGAATACAACAGGATCCAATGCACCATCAGGTTCCACTTCTCCTCTAATGGACAAATG
 CCAGGATTTGGACTTCTTCTACACCTCCATTTCTCCCATGGCTCAGCCTGTGATTCTCCAACCTCCAC
 CAGTGCAGCAGCCTTTCCAAGCTCTTTTCAGGCACAAAATGAACCACTTACACAGAAGCCGCATCAGCA
 GGAAATGGAAGTAGAACAACTTGTATTCAAGAGGTTAAGCGACATATGTCTGATAACAGAAAGTCAAGA
 TCTAGGTCAGCATCCAGGTCACCAAAAAGGAGGCGATCTAGATCTGGTTCTAGATCTCGAAGGTCTCGGC
 ATCGACGTTCTCGATCTCGGTCCAGGGATAGACGCCGACATTCTCCCGATCTCGATCTCAAGAAAGACG
 GGATCGAGAAAAAGAGAGAGAACGTCGACAAAAAGGCCTCCCTCAAGTGAACCGGAAACTGCAAGTGTT


[View online »](#)

TGCAGTACTACCTCTGGGTGGGCGAGCTGGACAAAAGAACTACTCAGCAGGATGTTGCCAGTCTCTTGG
AAGAGTTTGGTCCAATTGAATCAATTAATATGATTCTCCAGGGGTGTGCCTATATTGTTATGGTTCA
TAGGCAAGATGCCTATCGTGCCCTGCAGAACTGAGCCGAGGAACTATAAAGTGAACCAGAAATCCATA
AAGATTGCCTGGGCCTTAACAAAGGAATAAAGGCAGATTATAAGCAGTATTGGGATGTAGAACTTGGT
TACTTATATTCCATGGGACAAAGTCAAGCCTGAGGAACTGGAGAGTTTTTGTGAAGGAGGAATGTTGGA
CAGTGACACACTTAACCCAGATTGGAAAGGAATTCCTAAGAAGCCTGAAAAAGAAGTTGCTCAAAATGGA
GGTGCTGAAACCTCACACAGAACCAAGTATACCCCATACCTAAACCATTAACCTGTGCCTGTCCCTCCTA
TTCCTGTTCTCGACCTATAACAGTGCCACCTCCACAGGTCCCACCACATCAACCGGGTCCACCTGTAGT
TGGTGCTCTCCAGCCGCTGCTTTCACGCCTCCTCTGGGAATACCGCTCCAGGCTTTGGTCTGGTGT
CCTCCTCCCCCTCTCTCCACCAATTTTGCGCCAGGATTCAACCAATGCATTTACCACAGGTTTTCT
TGCTCCTGGACCCCACTCCTATAACTCCACGATATCCATCTCTCTCCTCACACTCCACCAATAAG
CATCCCAAACCTCTACTATCGTGGTATAAATGAAGACACTACAAAAGACTTATCTATTGAAATCCCAAT
CCAACAGTGGTGCTGCGGGCTAGAGGAAACGCCGAGTCTGGTGACAGCGTGAAAAATGTATGGCTCTGCCG
TGCCACCTGCTGCACCCACGAATCTGCCACCCCTCCTGTAACCCAGCCTGTTTCACTTCTTGGCACTCA
AGGAGTTGCCCTGGTCTGTAATTGGACTTCAGGCACCATCTACTGGTCTTCTTGGCGCCCGGCCCGGT
CTCATCCCACTCCAGCGCCCTCCAGGAATGCCCCACCTCACTTACAGCGGTTCCCTTTGATGCCGCCCC
GTCCCATGCCACCGCATGATGCACAGAGGCCACCGCCAGGACCAGGGGGCTTGGCATGCCTCCACC
TCATGGAATGAAAGGTCCTTCCCACCGCATGGCCCTTTGTTAGGCCTGGTGAATGCCAGGGCTCGGG
GGCCAGGGGCCAGGCCAGGGGTCTGAAGACAGAGACGGAAGGCAACAGCCGCCGACGAGCCACAGC
AGCAGCCACAGCCGAGCGGCCCCAGCAACCACAGCAGCAGCAGCAGCAGCAGCCACCACCATCACAA
GCCTCCACCAACACAGCAGCAGCCACAGCAGTTTAGAAATGATAACAGGCAGCAGTTCAATTACAGGTAGA
GACCAAGAAAGGTTTGAAGAAGATCTTTTGAAAATAGGGTGAAAAATGACCGGGAACGGTATGGGAACC
GTAATGATGATAGAGATAATAGTAACCGTGACAGGAGAGAGTGGGGAAGGAGGAGCCCTGACCGGGACAG
GCACAGAGACTTGAAGAGAGAAAATAGACGCTCTAGTGGGCATCGAGACAGAGAGAGAGATTCTAGAGAT
AGAGAGTCTCGTAGAGAGAAGGAAGCCCGAGGAAGGAAAGCCTGAGGTGACAGACAGGCGAGGTG
GTAAACAAACCGTTGAACCTCCCATAGCCAGTGGGAAATGATAGACACTGCTTCAAGAACTTGAGAAGGG
GGTGCTGAGGCTGCAGTCTTAAGCCTTCTGAAGAGTTACCTGCTGAGGCTACCTCATCCGTTGAACCC
GAAAAGGATTCTGGCTCAGCAGCAGAGGCTCCTCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG227016 representing NM_001145444

Red=Cloning site Green=Tags(s)

MDAVNAFNQELFSLMDMKPPISRAKMILITKAAIKAIKCKPEYKVPGLYVIDSIVRQSRHQFGTDKDVFG
PRFSKNITATFQYL YLCPSEDKSKI VRVLNLWQKNGVFKIEIIQPLDMAAGTSNAAPVAENVNTNNEGSP
PPPVKVSSEPPTQATPNVPAVPQLPSSDAFAVAQLFQTTGGQQLQQILQTFQQPPKPQSPALDNAVMA
VQQAITAQLKTTPQTPSEQAAFPPEQKTAFDKKLLDRFYDDEPEAVEESKKEDTTAVTTTAPAAAVP
PAPTATVAAAAAPAAASPPPPQAFGFGPDGMQQAAYTOHQNMDDQFQPRMMGIQQDPMHHQVPLPNNQGM
PGFGLLTPPPFPMAQVPIPTPPVQQPQFQASFAQNEPLTQKPHQQEMEVEQPCIQEVKRHMSDNRKS
SRSASRSPKRRRSRSGSRSSRSRHRRSRSSRSDRRRHSPRSRSQERRDREKERERRQKGLPQVKPETASV
CSTTLWVGQLDKRTTQQDVASLLEFGPIESINMIPPRGCAYIVMVHRQDAYRALQKLSRGNYKVNNQKSI
KIAWALNKGIKADYKQYWDVELGVYIPWDKVKPEELESFCEGMLDSDTLNPDWKGIPKPKPENEVAQNG
GAETSHTEPVSPIPKPLPVPVPPIPVPAPITVPPPVVPHQGGPPVVGALQPPAFTPPLGIPPPGFGPV
PPPPPPPPFLRPGFNPMHLPFGFLPPGPPPIITPPVSIPPHHTPPIISIPNSTIAGINEDTTKDL SIGNPI
PTVVSARGNAESGDSVKMYGSAPPAAPTNLTPPVTPQVSLGTQGVAPGPVIGLQAPSTGLLGARPG
LIPLQRPPGMPPPHLQRFLMPPRPMPPHMMHRGPPPGGGFAMPPPHGMKGPFPPHGPVVRPGGMPLG
GPGPGGGPEDRDGRQQPPQPPQQPQPPQAPQQPQQQQQQPPPSQQPPPTQQQPQQFRNDNRQQFNSGR
DQERFGRSFGNRVENDRERYGNRNDDRDNSNRDRREWGRSPDRDRHRDLEERNRRSSGHRDRERDSRD
RESRREKEARGKEPVTDRAGGNKTVEPPIISQVGNVDTASELEKGVSEAAVLKPSEELPAEATSSVEP
EKDSGSAEAPR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGCGCGCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCCGCCAGATCT
 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -
 PmeI FseI
 --- GAA GAA AGA GTT TAA ACGGCCGCCGCCGAGCT
 - - E E R V Stop

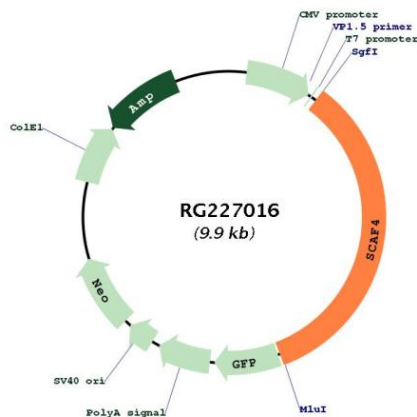
ACCN: NM_001145444

ORF Size: 3396 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:	<u>NM_001145444.1</u> , <u>NP_001138916.1</u>
RefSeq Size:	4224 bp
RefSeq ORF:	3399 bp
Locus ID:	57466
UniProt ID:	<u>O95104</u>
Cytogenetics:	21q22.11
Gene Summary:	This gene likely encodes a member of the arginine/serine-rich splicing factor family. A similar protein in Rat appears to bind the large subunit of RNA polymerase II and provide a link between transcription and pre-mRNA splicing. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]

Product images:



Circular map for RG227016