

## Product datasheet for **RG216070**

### **SFRS8 (SFSWAP) (NM\_004592) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SFRS8 (SFSWAP) (NM_004592) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SFRS8
Synonyms:	SFRS8; SWAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RG216070 representing NM\_004592  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTACGGCGCGAGCGGGGGCCGCGCCAAACCCGAGAGGAAAAGCGGCGGAAGGAGGAGGCCGGGCCAG  
 GCGGTGCCGGCGGTGGGGCAGCCGAGTGGAGCTTTGGTTTTCGGCTATGCCTGCAAGCTGTTCCGGGA  
 CGACGAGCGGGCCCTGGCTCAGGAACAGGGACAGCACCTCATCCCTGGATGGGGGACCACAAGATCCTC  
 ATCGACAGATATGATGGACGTGGTACCTGCATGACCTTTCTGAGTACGATGCTGAGTATCCACGTGGA  
 ACAGAGATTATCAGCTGTCTGAAGAGGAGGCGCAATAGAGGCCCTGTGTGATGAAGAGAGGTATTTAGC  
 CTTGCATACGGACTTGCTTGAGGAGGAGGCAAGGCAAGAGGAAGAATAACAAGCGATTGAGTGAAGCACTA  
 GCAGAGGATGGGAGCTACAATGCCGTGGGGTTCACCTACGGTAGCGACTATTACGACCCGTGAGAGCCGA  
 CGGAGGAGGAGGAGCCTCCAAACAGAGAGAAAAAATGAGGCCGAAAATTTAGAGGAAAATGAAGAGCC  
 CTTGCTTGCCTTAGGATTGAGCGTCCCGTCTGACGTGGAGTTGCCACCAACCCGCTAAAATGCACGCC  
 ATCATCGAGCGCACGGCCAGCTTCGTGTGACGGCAGGGAGCACAGTTTGAGATCATGCTGAAGGCCAAGC  
 AGGCCCGGAACCTCCAGTTTGACTTTCTGCGCTTCGACCACTACCTCAACCCCTACTATAAGTTCATCCA  
 GAAAGCCATGAAAGAGGGACGCTACACTGTCTGGCAGAAAAAAGTACGAGAAAAAATATCAGGA  
 GTCAGCTCTGACAATGAAGATGATGATGAAGAAGATGGGAATTACCTTCATCCCTCTCTTTGCTT  
 CCAAGAAGTGTAAACCGCCTTGAAGAGCTGATGAAGCCCTGAAGGTAGTGGACCCAGATCATCCCTCGC  
 AGCACTTGTTCGTAAGGCACAGGCTGACAGTCCACTCCCACCCACACAACGCAGACGGTGCAGCTGTG  
 CAGCCCTCCAGGTGGAGTACACGGCAGACTCGACCGTGGCAGCCATGTATTACAGCTACTACATGCTAC  
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 TGCTGGCGTGACCGTGTCTAACTCCCTGGAGTGACGACCACCGCCACCACCTCTGGGACCACACCA  
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 CCGTGGCACCAGTATAATGCTTATTATGAGTTAAGAAGCAGTTCCTCCAGAAAAGAGGGGGCGATA  
 GCATGCAGGCTGTGTCTGCACCAGAAGAGGCTCCACAGACTCTGCTCCCGAGAAGCCAAGTATGCTGG  
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 AGGCCAAAAGAAAATGATCTGCTTCCCTGGAAAAAATCGTGTTAAGCTAGATGATGACAGTGTATGATGA  
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 TGTGTAGTTGTTGAGGAGAAGAAGCCTCAACTACCCAGGAGGAGCTAGAAGCAAAGCAAGCAAAGCAA  
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 TGACTGGAGGCAGGCCTCTGCCTACTTTAGAAGTTAAACCACCCGATAGGCTTCGAGCAAAAAGCAAAGA  
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 GAGACGGAGGGAAGAGAGGAGTGTGCCACTGCCTACCGCGTGAGCCGACGCCCTGGGGCCAGCAGGAAG  
 CGGACCCGCTCCAGAAGTCCCCACGAGAAGAAGAAGAAGAGGCGGTCCCGGTGCGGGACCAAGTCCAAGG  
 CCAGGTCTCAGTCGGTGTACCCAGCAAGCAGGCAGGCCCGGCCCGGCCCGGCCCGGCCACTCGGC  
 GCACTCAGCCAGCGTCTCCCTGTGGAGAGTGGGGCTCCAGCCAGGAGCGCTCCAGGGGAGTCTCTCAG  
 GAAAAAGAAGCCAGATCTTTCAGCAATCGTTTCTTCCGTGACAGCAAAATCACTCAGGATCTCATGG  
 CCAAAGTCAGAGCGATGCTTGCAGCTTCAAAAACCTGCAAACCAGCGTTC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG216070 representing NM\_004592  
 Red=Cloning site Green=Tags(s)

MYGASGGRAKPERKSGAKEEAGPGGAGGGGSRVELLVFGYACKLFRDDERALAQQEQGHLIPWMDHKIL  
 IDRYDGRGHLHDLSEYDAEYSTWNRDYQLSEEEARIEALCDEERYLALHTDLLLEEARQEEYKRLSEAL  
 AEDGSYNAVGF TYGSDYDPSPTTEEEPSKQREKNEAENLEENEFPVAPLGLSVPDVELPPTAKMHA  
 IIERTASFVCRQGAQFEIMLKAKQARNSQDFLRFDHLYLNPYYKFIQKAMKEGRYTVLAENKSDEKKKSG  
 VSSDNEDDDDEEDGNYLHPSLFAASKKCNRLLEELMKPLKVVDPDHLAALVRKAQADSSTPTPHNADGAPV  
 QPSQVEYADSTVAAMYYSYMLPDGTYCLAPPPGIDVTTYSTLPAGVTVSNSPGVTTTAPPPGTTT  
 LPPPTTAETSSGATSTTTTTSALAPVAAIIPPPDVQPVIDKLAEYVARNGLKFETSVRAKNDQRFELQ  
 PWHQYNAYYEFKKQFFLQKEGGDSMQAVSAPEEAPTDSAPEKPSDAGEDGAPEDAAEVGARAGSGGKKEA  
 SSSKTVPDGLVKASFAPISFAIKAKENDLLPLEKNRVKLDSDDDDEESKEGQESSSSAANTNPAVAPP  
 CVVVEEKQPQLTQEELAKQAKQKLEDRLAAAAREKLAQASKESKEKQLQAERKRKAALFLQTLKNPLPE  
 AEAGKIEESPFVVEESSTPCPLL TGGRPLPTLEVKPPDRPSSKSKDPPREEEKEKKKKHKKRSRTRSR  
 SPKYHSSSKSRSRSHKAKHSLPSAYRTVRRSRSRSPRRRAHSPERRREERSVPTAYRVS RSPGASRK  
 RTRSRSPHEKKKRRSRRTKSKARSQSVSPKQAAPRAAPAHAHSAHSASVSPVESRGSSQERSRGV SQ  
 EKEAQISSAIVSSVQSKITQDLMAKVRAMLAASKNLQTSAS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

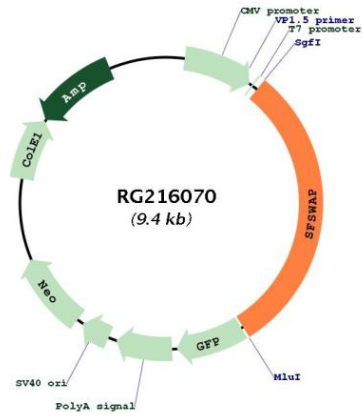


ACCN: NM\_004592

ORF Size: 2853 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_004592.3</a> , <a href="#">NP_004583.2</a>
<b>RefSeq Size:</b>	3258 bp
<b>RefSeq ORF:</b>	2856 bp
<b>Locus ID:</b>	6433
<b>UniProt ID:</b>	<a href="#">Q12872</a>
<b>Cytogenetics:</b>	12q24.33
<b>Domains:</b>	Surp
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	This gene encodes a human homolog of Drosophila splicing regulatory protein. This gene autoregulates its expression by control of splicing of its first two introns. In addition, it also regulates the splicing of fibronectin and CD45 genes. Two transcript variants encoding different isoforms have been identified. [provided by RefSeq, May 2012]

Product images:



Circular map for RG216070