

Product datasheet for **RC216070**

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:	Myc-DDK
Symbol:	SFRS8
Synonyms:	SFRS8; SWAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC216070 representing NM_004592
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTACGGCGCGAGCGGGGGCCGCGCCAAACCCGAGAGGAAAAGCGGCGGAAGGAGGAGGCCGGGCCAG
 GCGGTGCCGGCGGTGGGGCAGCCGAGTGGAGCTTTGGTTTTCGGCTATGCCTGCAAGCTGTTCCGGGA
 CGACGAGCGGGCCCTGGCTCAGGAACAGGGACAGCACCTCATCCCTGGATGGGGGACCACAAGATCCTC
 ATCGACAGATATGATGGACGTGGTACCTGCATGACCTTTCTGAGTACGATGCTGAGTATCCACGTGGA
 ACAGAGATTATCAGCTGTCTGAAGAGGAGGCGCAATAGAGGCCCTGTGTGATGAAGAGAGGTATTTAGC
 CTTGCATACGGACTTGCTTGAGGAGGAGGCAAGGCAAGAGGAAGAATAACAAGCGATTGAGTGAAGCACTA
 GCAGAGGATGGGAGCTACAATGCCGTGGGGTTCACCTACGGTAGCGACTATTACGACCCGTGAGAGCCGA
 CGGAGGAGGAGGCCTCCAAACAGAGAGAAAAAATGAGGCCGAAAATTTAGAGGAAAATGAAGAGCC
 CTTTCGTTGCCCTTAGGATTGAGCGTCCCGTCTGACGTGGAGTTGCCACCAACCCGCTAAAATGCACGCC
 ATCATCGAGCGCACGGCCAGCTTCGTGTGACGGCAGGGAGCACAGTTTGATATGCTGAAGGCCAAGC
 AGGCCCGGAACCTCCAGTTTGACTTTCTGCGCTTCGACCACTACCTCAACCCCTACTATAAGTTCATCCA
 GAAAGCCATGAAAGAGGGACGCTACACTGTCTGGCAGAAAAAAGTACGAGAAAAAATATCAGGA
 GTCAGCTCTGACAATGAAGATGATGATGAAGAAGATGGGAATTACCTTCATCCCTCTCTTTGCGCT
 CCAAGAAGTGTAAACCGCCTTGAAGAGCTGATGAAGCCCTGAAGGTAGTGGACCCAGATCATCCCTCGC
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 CAGCCCTCCAGGTGGAGTACACGGCAGACTCGACCGTGGCAGCCATGTATTACAGCTACTACATGCTAC
 CGGACGGCACTTACTGCCTGGCGCCGCCCTCCCGAATCGACGTGACTACTACTACGACACCTTCC
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 GCATGCAGGCTGTGTCTGCACCAGAAGAGGCTCCACAGACTCTGCTCCCGAGAAGCCAAGTATGCTGG
 GGAGGATGGCGCCCTGAAGACGCAGCCGAGTGGGAGCACGGGAGGCTCAGGCCGGAAGAAGGAGGCA
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 TGTGTAGTTGTTGAGGAGAAGAAGCCTCAACTACCCAGGAGGAGCTAGAAGCAAAGCAAGCAAAGCAA
 AGCTGGAAGATCGCCTCGCAGCTGCTGCCCGGAAAAAGCTGGCCAGGCGTCTAAGGAGTCAAAGAGAA
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 TCCACCGAGAGAAGAAGAGAAAAGAAAAGAAAAGCAAAAAAAGATCTCGAACAAGATCACGT
 TCTCCCAAGTACCATTTCGTATCCAAGTCCAGGTCTAGATCACACTCAAAGCAAAGCATTCTTCCCA
 GTGCCATCGACAGTGCGGCGGTGAGGTCCTCCCGTCCCGTCCCGTCCGAGGAGAGCCACTCCCTGA
 GAGACGGAGGGAAGAGAGGAGTGTGCCACTGCCTACCGCTGAGCCGACGCCCTGGGGCCAGCAGGAAG
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 GAAAAAGAAGCCAGATCTTTCAGCAATCGTTTCTTCGTGACAGCAAAATCACTCAGGATCTCATGG
 CCAAAGTCAGAGCGATGCTTGCAGCTTCAAAAACCTGCAAACCAGCGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC216070 representing NM_004592
 Red=Cloning site Green=Tags(s)

MYGASGGRAKPERKSGAKEEAGPGGAGGGGSRVELLVFGYACKLFRDDERALAQEQQQLIPWMDHKIL
 IDRYDGRGHLHDLSEYDAEYSTWNRDYQLSEEEARIEALCDEERYLALHTDLLLEEARQEEYKRLSEAL
 AEDGSYNVAGFTYGSDDYDPSEPTEEEEPSKQREKNEAENLENEEPFVAPLGLSVPDVELPPTAKMHA
 IIERTASFVCRQGAQFEIMLKAKQARNSQDFDLRFDHLYLNPYYKFIQKAMKEGRYTVLAENKSDEKKKSG
 VSSDNEDDDDDEEDGNLHPSLFAASKKCNRLLEELMKPLKVVDPDHPALALVRKAQADSSTPTPHNADGAPV
 QPSQVEYADSTVAAMYYSYMLPDGTYCLAPPPGIDVTTYSTLPAGVTVSNSPGVTTTAPPPGTTT
 LPPPTTAEISSGATSTTTTTSALAPVAIIIPPPDVQPVIDKLAEYVARNGLKFETSVRAKNDQRFELQ
 PWHQYNAYYEFKKQFFLQKEGGDSMQAVSAPEEAPDSDAPEKPSDAGEDGAPEDAAEVGARAGSGGKKEA
 SSSKTVDPDGKLVKASFAPISFAIKAKENDLLPLEKNRVKLDSDSDDEESKEGQESSSSAANTNPVAPP
 CVVVEEKQPQLTQEELEAKQAKQKLEDRLAAAAREKLAQASKEKQKLAERKRKAALFLQTLKNPLPE
 AEAGKIEESPFVVEESSTPCPLLTGGRPLPTLEVKPPDRPSSKSKDPPREEEKEKKKKHKKRSRTRSR
 SPKYHSSSKSRSRSHKAKHSLPSAYRTVRRSRSRSPRRRAHSPERRREERSVPTAYRVSRSRSPGASRK
 RTRSRSPHEKKKRRSRRTKSKARSQSVSPKQAAPRAAPAHAHSAHSASVSPVESRGSSQERSRGVSG
 EKEAQISSAIVSSVQSKITQDLMAKVRAMLAAASKNLQTSAS

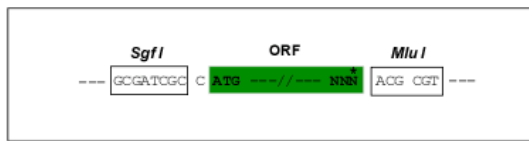
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8115_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



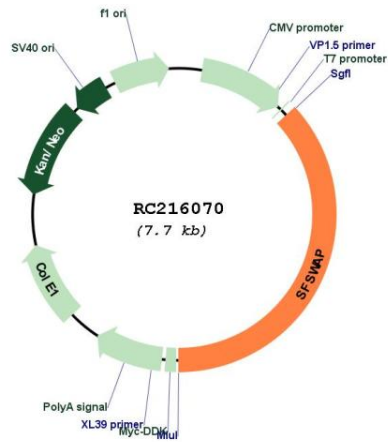
* The last codon before the Stop codon of the ORF

ACCN: NM_004592

ORF Size: 2853 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:	<ol style="list-style-type: none">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_004592.3 , NP_004583.2
RefSeq Size:	3258 bp
RefSeq ORF:	2856 bp
Locus ID:	6433
UniProt ID:	Q12872
Cytogenetics:	12q24.33
Domains:	Surp
Protein Families:	Transcription Factors
MW:	104.8 kDa
Gene Summary:	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 RC216070