

Product datasheet for **RG235117**

SFRS8 (SFSWAP) (NM_001261411) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS8 (SFSWAP) (NM_001261411) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SFSWAP
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:

>RG235117 representing NM_001261411
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTACGGCGCGAGCGGGGGCCGCGCCAAACCCGAGAGGAAAAGCGGCGGAAGGAGGAGGCCGGGCCAG
 GCGGTGCCGGCGGTGGGGCAGCCGAGTGGAGCTTTGGTTTTCGGCTATGCCTGCAAGCTGTTCCGGGA
 CGACGAGCGGGCCCTGGCTCAGGAACAGGGACAGCACCTCATCCCTGGATGGGGGACCACAAGATCCTC
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 ACAGAGATTATCAGCTGTCTGAAGAGGAGGCGCAATAGAGGCCCTGTGTGATGAAGAGAGGTATTTAGC
 CTTGCATACGGACTTGCTTGAGGAGGAGGCAAGGCAAGAGGAAGAATAACAAGCGATTGAGTGAAGCACTA
 GCAGAGGATGGGAGCTACAATGCCGTGGGGTTCACCTACGGTAGCGACTATTACGACCCGTGAGAGCCGA
 CGGAGGAGGAGGAGCCTCCAAACAGAGAGAAAAAATGAGGCCGAAAATTTAGAGGAAAATGAAGAGCC
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 GAAAGCCATGAAAGAGGGACGCTACACTGTCCTGGCAGAAAAAAGTACGAGAAAAAATATCAGGA
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 CAGCCCTCCAGGTGGAGTACACGGCAGACTCGACCGTGGCAGCCATGTATTACAGCTACTACATGCTAC
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 GGAGGATGGCGCGCTGAAGACGCAGCCGAGGTGGGAGCACGGGCAGGCTCAGGCCGGAAGAAGGAGGCA
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 ACTCAGGATCTCATGGCCAAAGTCAGAGCGATGCTTGCAGCTTCAAAAACCTGCAAAACCAGCGCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG235117 representing NM_001261411
 Red=Cloning site Green=Tags(s)

MYGASGGRAKPERKSGAKEEAGPGGAGGGGSRVELLVFGYACKLFRDDERALAQEQGQHLIPWMDHKIL
 IDRYDGRGHLHDLSEYDAEYSTWNRDYQLSEEEARIEALCDEERYLALHTDLLLEEARQEEYKRLSEAL
 AEDGSYNAVGF TYGSDYDPSPTTEEEPSKQREKNEAENLENEEPFVAPLGLSVPDVELPPTAKMHA
 IIERTASFVCRQGAQFEIMLKAKQARNSQDFDLRFDHLYLNPYYKF IQKAMKEGRYTVLAENKSDEKKKSG
 VSSDNEDDDDEEDGNYLHPSLFAASKCNRL EELMKPLKVVDPDHLAALVRKAQADSSTPTPHNADGAPV
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 LPPPTT AETSSGATSTTTTTSALAPVAAIIPPPDVQPVIDKLAEYVARNGLKFETSVRAKNDQRFELQ
 PWHQYNAYYEFKKQFFLQKEGGDSMQAVSAPEEAPTDSAPEKPSDAGEDGAPEDAAEVGARAGSGGKKEA
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 CVVVEEKQPQLTQEELEAKQAKQKLEDRLAAAAREKLAQASKEKQQLQAERKRKAALFLQTLKNPLPE
 AEAGKIEESPFVVEESSTPCPLLTGGRPLPTLEVKPPDRPSSKSKDPPREEEKEKKKKHKKRSRTRSR
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 DSASSFEKPGKTSR SRSPRRRAHSPERRREERSVPTAYRVS RSPGASRKRTRSRSRSPHEKKKKRRSR
 RTKSKARSQSVSPSKQAAPRPAAPAAHSAHSASVSPVESRSGSSQERSRGVSQEKEAQISSAIVSSVQSKI
 TQDLMAKVRAMLAASKNLQTSAS

TRTRPLE - GFP Tag - V

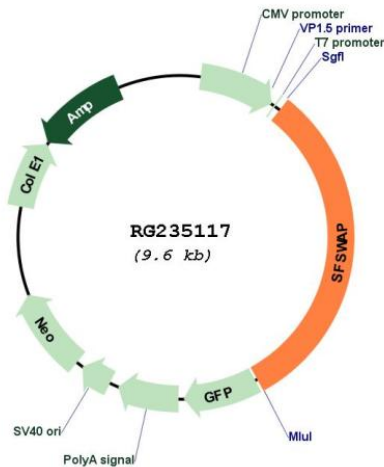
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001261411

ORF Size: 3009 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_001261411.1](#), [NP_001248340.1](#)

RefSeq Size: 3414 bp

RefSeq ORF: 3012 bp

Locus ID: 6433

UniProt ID: [Q12872](#)

Cytogenetics: 12q24.33

Protein Families: Transcription Factors

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]