

Product datasheet for **RR215123**

Sfswap (NM_001034924) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sfswap (NM_001034924) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sfswap
Synonyms:	Sfrs8; Srsf8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR215123 representing NM_001034924
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAGAGAGGAAGAATACAAAAGATTGAGTGAAGCGCTGGCGGAGGATGGGAACTACAGTGCCGTAG
 GGTTCACTTACGGCAGTACTATTACGACCCGTCAGAGCCACAGAGGAGGAGGCCCTCGAAGCAGAG
 AGAAAAAAGTGAGGCTGAAAACCTTGAAGAAAAATGAGGAGCCTTTCATCGCCCTTTAGGACTAAGCGTC
 CCGTCTGACGTGGAGCTGCCACCAACAGCCAAAATGCATGCCATCATCGAGCGCACAGCCAACTTCGTAT
 GCAAGCAGGGAGCACAGTTCGAGATCATGCTGAAGGCCAAGCAAGCACGGAACTCACAGTTCGACTTCT
 GCGTTTGTACTACTCAACCCCTACTACAAGTTCATCCAGAAAGCCATGAAGGAAGGACGGTACACG
 GTGCTAGCTGAGAGCAAGAGCGAGGAGAAGAAAAAGTCTGGGCCAACCTCCGACAATGAAGAGGAAGATG
 ATGAGGAAGATGGGAGTTACCTGCACCCGTCCTCTTTGCTTCCAAGAAGAGCAGCCGCCTGGAAGAGCT
 GATGAAGCCCTTGAAGGTGGTAGACCCGGATCACCTCTAGCAGCCCTTGTCCGAAAGCACAGGCTGAC
 AGCTCAGCCCCGGCCCCACCCACTGCAGATGGCACTCCTGCTCAGCCCTCCAGGTGGAGTACACGGCAG
 ACTCAACCGTGGCAGCCATGTACTACAGCTACTACATGCTGCCAGATGGCACCTACTGCCTGGCACCACC
 CCCACCCGGGATCGATGTGGTACTTACTACAGCACCTTCTGCTGGGGTGACTGTGTCCAGCTCACCT
 GGTGTGACCACGACTGTACCACCACCTCCTGGGACCACACCTCCTCCACCCCAACCACAGCTGAGTCAA
 GCAGCGGGGTTACCTCCACAACCACCACCAAGTGCCTTGCTCCCGTGGCCATCATACCCCGCCCCC
 TGACATCCAGCCTGTGATTGACAAGCTGGCAGAGTACGTCGCCAGAAACGGCCTTAAATTTGAGACCAGT
 GTTCGAGCCAAGAACGATCAGAGATTTGAATTCCTTCAACCCCTGGCACCAGTACAACGCCTACTACGAGT
 TTAAGAAGCAGTTCTTCTGCAAGAAAGGAGGCGGTAGCACACAGGCAGCATCAACGCCTGAAGAGGC
 TCCACAGAAACCGCTGTTGAAGAGTCAAGTGAAGCTGGAGAGGACGGCGCTCCTGAGGCTCTTTTGTCT
 CCAATAAGCTTTGCCATCAAAGCCAAAGAAAAATGACCTACTTCCCTGGAACAAAAACCGCGTCAAGCTGG
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 CCCAGCCGAGCCCTCCTCTGCAAGTGGTGGAGGAGAAGAAACCGCAGCTTACCCAAGAGGAGCTCGAA
 GCTAAGCAAGCAAAACAAAAGCTGGAGGACCGCTTGCTGCTGCCGCCGGGAAAAGCTAGCTCAGGCGT
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 AAAAAACCTCTTCCAGATGCAGAAGTTGAAAACCTTGAAGGAGAGCACTTTCGGAGTTGAGGAACTGGT
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 GTCTCGAACGAGGTCCCGCTCCCAAGTACCCTCGTCTTCAAGCCAGGTCTAGATCCCACTCAAAA
 GCAAAGCACTCCCTGCCAGTGCCTACCGGACAGTGCAGCGGTGAGGTCACGGTCTCGGTCCCAAGAA
 GGAGAGCTCACTCTCCAGAGAGACGACGGGAAGACAGGAGTGTCCCCACAGCCTACCGGATGAGCGGCAG
 CCCTGGAGTCAGCAGGAAACGGACCCGTTCCAGAAGTCCCATGAGAAGAAGAAGAAACGGCGCTCACGC
 TCTCGACCAAGGCCAAGGCCGGTGCAGTCACTTCCCGAGTAAACAGGCAGCACAGCGTCCCTCGG
 CCCACTCAGCCACTCGGCCAGCATCTCTCTGTGGAGAGCCAGGTTCTCCAGGAACGATCCAGGGG
 GGTTTCTCAGGAAAAAGATGGCCAGATCTCCTCAGCAATCGTCTCCTCTGTGCAGAGCAAAATAACTCAG
 GATCTCATGGCCAAAGTAAGAGCAATGCTCGCAGCTTCAAAAAACCTGCAGACCAGCGCGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215123 representing NM_001034924
Red=Cloning site Green=Tags(s)

MKREEEYKRLSEALAEDGNYSAVGFTYGSDDYDPSEPTEEEEPSKQREKSEAENLEENEEPFIAPLGLSV
PSDVELPPTAKMHAIERTANFVCKQGAQFEIMLKAKQARNSQDFLRFDHYLNPYYKFIQKAMKEGRYT
VLAESKSEEKKKSGPTSDNEEEDDEEDGSYLHPSLFASKKSSRLEELMKPLKVVDPDHPLAALVRKAQAD
SSAPAPPTADGTPAQPSQVEYADSTVAAMYSSYMLPDGTYCLAPPPGIDVATYYSTLPAGVTVSSSP
GVTTTTPPPPGTTPPPPTTAESSGVTSTTTTTSALAPVAIIPPPDIQPVIDKLAEYVARNGLKFETS
VRAKNDQRFEFLQPWHQYNAYYEFKKQFFLQKEGGSTQAASTAEEAPTEAVEESSEAGEDGAPEASFA
PISFAIKAKENDLLPLEKNRVKLDDEEEDSRECESTSSVANPSPAAAPPSAVVEEKKPLTQEELE
AKQAKQKLEDRLAAAAREKLAQASKESKEKQLQAERKRKAALFLQTLKNPLPDAEVGKLEESTFGVEETG
VMPCPLL VGGRTLPMLEGKPPERPSRCRDPPEEREKHHKHHKRSRTRSRSPKYHSSSKPRSRSHK
AKHSLPSAYRTVRRSRSRSPRRRAHSPERRREDRSVPTAYRMSGSPGVSRKRTRSRSPHEKKKRRSR
SRTKAKARSQSTSPSKQAAQRPSAHSASISPVESRGSSQERSRGVSQEKDGQISSAIVSSVQSKITQ
DLMAKVRAMLAASKNLQTSAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001034924

ORF Size: 2373 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_001034924.1](#), [NP_001030096.1](#)

RefSeq Size: 3155 bp

RefSeq ORF: 2376 bp

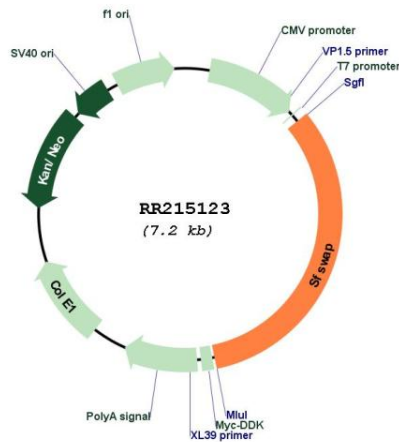
Locus ID: 304431

Cytogenetics: 12q13

MW: 87.4 kDa

Gene Summary: Plays a role as an alternative splicing regulator. Regulate its own expression at the level of RNA processing. Also regulates the splicing of fibronectin and CD45 genes. May act, at least in part, by interaction with other R/S-containing splicing factors (By similarity). Represses the splicing of MAPT/Tau exon 10.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR215123