

Product datasheet for **MG222227**

Sfswap (NM_172276) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sfswap (NM_172276) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sfswap
Synonyms:	1190005N23Rik; 6330437E22Rik; A1197402; AW212079; Sfrs8; Srsf8; SWAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG222227 representing NM_172276
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTACGGTGCCGCGGGGGCCGTGCCAAGCCGAGAGGAAAGGCGGAGTGAAGGAGGAGGCCGGGCCGG
 GCGGCACCGGCACTGGGGCAACCGGGTGGAGCTTCTGGTTTTTCGGCTATGCCTGCAAGTTGTTCCGCGA
 CGACGAGCGGGCTTTGGCCAGGAACAGGGACAGCACCTCATCCCTGGATGGGGACCCCAAGATCCTC
 ATCGACAGATACGACGGGCGTGGTCACTGCATGACCTCTCTGCGTACGATGCTGAGTACGCCACGTGGA
 ACCGAGACTACCAGTGTCTGAAGAGGAGGCTCGGGTAGAGGCGTGTGTGATGAAGAGAGGTATTTAGC
 CTTGCATACGGACTTGCTTGAGGAGGAGGCAAGGCAAGAGGAAGAATACAAAAGATTGAGTGAAGCGCTG
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 CGGAAGAGGAGGAGCCTTCAAGCAGAGAGAAAAAATGAGGCTGAAAACCTTGAAGAAAAATGAAGAACC
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 ATCATTGAGCGCACAGCCAACTTCGTATGCAAGCAGGGAGCACAGTTCGAGATCATGCTGAAGGCCAAGC
 AAGCTCGAAACTCACAGTTCGACTTCTACGGTTTGATCACTACCTCAACCCCTACTATAAATTCATCCA
 GAAAGCCATGAAAGAAGGACGGTACACGGTGTAGCTGAGAGCAAGAACGAGGAGAAGAAAAAGTCTGGG
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 CAGCCCTCCAGGTGGAGTACACGGCAGACTCAACTGTGGCAGCCATGTACTACAGCTACTACATGTTGC
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 GGCTGAACGTAAGAAAGGAAAGCAGCGTTGTTCTTACAACTTAAAAATCCTCTTCCAGAAGCAGAAGTT
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 AGTCAACATCCCCGAGTAAACAGGCCGACAGCGTCCCTCGGCCACTCAGCCACTCGGCCAGCATCTC
 TCCTGTGGAGAGCCGAGTTCTCCAGGAACGCTCCAGGGGGTTTCTCAGGAAAAGATGGCCAGATC
 TCCTCAGCAATCGTCTCCTCTGTGCAGAGCAAAATAACTCAGGATCTCATGGCCAAAGTAAGAGCAATGC
 TCGCAGCTTCAAAAACCTGCAAAACAGTGCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222227 representing NM_172276
 Red=Cloning site Green=Tags(s)

MYGAGGGRAKPERKGGVKEEAGPGGTGTGGNRVELLVFGYACKLFRDDERALAQQEQGHLIPWMGDPKIL
 IDRYDGRGHLHDL SAYDAEYATWNRDYQLSEEEARVEALCDEERYLALHTDLLLEEARQEEYKRLSEAL
 AEDGNYSAVGFTYGSDDYDPSEPTEEEEPSKQREKNEAENLEENEFFIAPLGLSVPSDELPTAKMHA
 IIERTANFVCKQGAQFEIMLKAKQARNSQDFDLRFDHLYLNPYYKFIQKAMKEGRYTVLAESKNEEKKSG
 PTSNDEEEDDEEDGSYLHPSLFAASKSSRLEELMKPLKVVDPDHPLAALVRKAQADSSAPPTADGTPA
 QPSQVEYADSTVAAMYYSYMLPDGTYCLAPPPGIDVATYYSTLPAGVTVSSSPGVTTPVPPPGTTP
 PPPPTTAEPSSGVTSTTTTTSALAPVAIIPPPDIQPVIDKLAEYVARNGLKFETSVRAKNDQRFEFLQP
 WHQYNAYEFKKQFFLQKEGGSTQAASTAEEAPTETAVEESGEAGEDGAPEGMAETGGRGSGKKEAGSS
 KSTVDGKLVKASFAPISFAIKAKENDLLPLEKNRVKLDDEEEDSRECQESTSSVANPSPAAAPPSVA
 VEEKPQLTQEELEAKQAKQKLEDRLAAAAREKLAQASKEKQQLQAERKRAALFLQTLKNPLPEAEV
 GKLEESTFGVEDTGVMPCPLL VGGRTLPILEGKPPERPSNRCRDPPEEREKPKKKKKRKRTRSRSPK
 YHSSKPRSRSHSKAKHSLPSAYRTVRRSRSRSPRRRAHSPERRREERSVPTAYRMSGSPGVSRKRTR
 SRSPHEKPKRRSRRTAKARSQSTSPSKQAARPSAHSASASISPVESRGSSQERSRGVSQEKDQGI
 SSAIVSSVQSKITQDLMAKVRAMLAASKNLQTSAS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

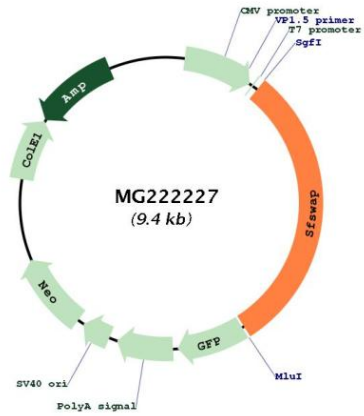


ACCN: NM_172276

ORF Size: 2835 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_172276.3 , NP_758480.2
RefSeq Size:	3319 bp
RefSeq ORF:	2838 bp
Locus ID:	231769
UniProt ID:	Q3USH5
Cytogenetics:	5 G1.3
Gene Summary:	Plays a role as an alternative splicing regulator. Regulates 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. Represses the splicing of MAPT/Tau exon 10 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222227