

Product datasheet for MR214426

Swsap1 (NM_025870) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Swsap1 (NM_025870) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Swsap1
Synonyms:	2310047B19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214426 representing NM_025870 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAGGCGCTGAGGCGGGTCTGAATGCCGGCTGCGCGCAAGGCCAGGAGAGGATGGCGTGCCG
GGCCGCCATTGCTGTTGCTCGGCGCTCCGCGCTCTGCGCAGACGTCGCTGCTGTTTGAGCCGCCCTTGA
GGCGGCAGGGGAAGGCCGCGGGTCCGTCTCTTCGTGACGCGAAGGCCCTTCAGAGCCTGCCGCTCAGT
ACACCCACAGCGGAGAGCATTGGCGGCTCCAGAAGGTTCTGTTCCAGTACCCATCCTCAATTCAAGAGC
TTCTCCAGCTGCTGGCCTCTGCCATGAGGCCAGCACCAGCCCATCCCTTCTACTCCTGGACGGCCT
GGAAGAATATCTCGCAGAGGATCCCAGTGCCAGGAAGCCGCTACTTGGCTGCATTGCTTCTGGATACT
GCTGCCTCTTTAGCCACCGTCTTGAGCCAATGGCAGTTGTGGGCTTGTGTGGCCCTTAAACCCAGA
AAGAAGCAGAGGCCGATGCCCCACATCTGCCATTACTTAAGCGATATTTCTGCACAGTCTGGTTGCA
GCCAGATGCCCTAGGCTTGGGACAGCATTGCTGCCTTCGAGCCAGCCTAGAGTTGGGCAAAGTGGCCCT
AGGACAGAGTGGTCAGTGAGTTTCTTACCCTGTGGAGAGATGAAGGTCACCCCATGGCTTGGCCAGGCTT
CTAAGCTCAGCCAGAGAAGAAAGATTCAAGTCTGGAAGCCAGTCTTAACCTTTGGGATGTGACAACT
CCCTGGTCTGGTCTCCCTTGGATGGGATACTTACTTCAGAGACAGGTGCAGATTCAAAGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR214426 representing NM_025870
 Red=Cloning site Green=Tags(s)

MAEALRRVLNAGCAARPGEDGAAGPLLLLGAPRSAQTSLLFAAALEAAGEGRGSVLFVTRRPLQSLPLS
 TPTAREHWRLQKVRFPYSSIQELLQLLASAHEAPPTPSLLLLDGLLEEYLAEDPSAQEAAYLAALLLDT
 AAFESHRLGANGSCGLVVALETQKEAEADAPHLPLLKRYFPAQCWLQPDALGLGQHCLRASLELGKLS
 RTEWSVSFLPCGEMKVPWLAQASKLSPEKKDSSAGSLSLTLGCDNLPGPGSPLDGILTSETGADSKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9077_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025870

ORF Size: 834 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_025870.1](#), [NP_080146.1](#)

RefSeq Size: 1846 bp

RefSeq ORF: 837 bp

Locus ID: 66962

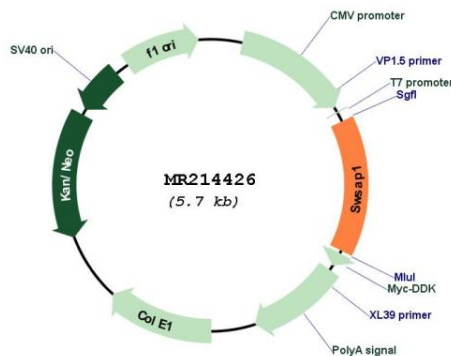
UniProt ID: [Q8VCI7](#)

Cytogenetics: 9 A3

MW: 29.4 kDa

Gene Summary: ATPase which is preferentially stimulated by single-stranded DNA and is involved in homologous recombination repair (HRR). Has a DNA-binding activity which is independent of its ATPase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214426