

## Product datasheet for **MG214426**

### Swsap1 (NM\_025870) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Swsap1 (NM\_025870) Mouse Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: Swsap1  
 Synonyms: 2310047B19Rik  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >MG214426 representing NM\_025870  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGAGGCGCTGAGGCGGGTCTGAATGCCGGCTGCGCGCAAGGCCAGGAGAGGATGGCGCTGCCG  
 GGCCGCCATTGCTGTTGCTCGGCGCTCCGCGCTCTGCGCAGACGTCGCTGCTGTTTGAGCCGCCCTTGA  
 GGCGGCAGGGGAAGGCCGCGGGTCCGTCTCTTCGTGACGCGAAGGCCCTTCAGAGCCTGCCGCTCAGT  
 ACACCCACAGCGGAGAGCATTGGCGGCTCCAGAAGGTTCTGTTCCAGTACCCATCCTCAATTCAAGAGC  
 TTCTCCAGCTGCTGGCCTCTGCCATGAGGCCAGCACCAGCCATCCCTTCTACTCCTGGACGGCCT  
 GGAAGAATATCTCGCAGAGGATCCAGTCCCAGGAAGCCGCTACTTGGCTGCATTGCTTCTGGATACT  
 GCTGCCTCTTTAGCCACCGTCTTGAGCCAATGGCAGTTGTGGGCTTGTGTGGCCCTTAAACCCAGA  
 AAGAAGCAGAGGCCGATGCCACATCTGCCATTACTTAAGCGATATTTCTGCACAGTCTGGTTGCA  
 GCCAGATGCCCTAGGCTTGGGACAGCATTGCTGCCTTCGAGCCAGCCTAGAGTTGGGCAAAGTGGCCCT  
 AGGACAGAGTGGTCAGTGAAGTTTCTTACCCTGTGGAGAGATGAAGGTCACCCATGGCTTGGCCAGGCTT  
 CTAAGCTCAGCCAGAGAAGAAAGATTCAAGTCTGGAAGCCAGTCTTAACCTTTGGGATGTGACAACTT  
 CCCTGGTCTGGTCTCCCTTGGATGGGATACTTACTTCAGAGACAGGTGCAGATTCAAAGACC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG214426 representing NM\_025870  
 Red=Cloning site Green=Tags(s)

MAEALRRVLNAGCAARPGEDGAAGPLLLLGAPRSAQTSLLFAAALEAAGEGRGSVLFVTRRPLQSLPLS  
 TPTAREHWRLQKVRFYQYPSIQELLQLLASAHEAPAPTPSLLLLDGLLEEYLAEDPSAQEAAYLAALLLDT  
 AAFESHRLGANGSCGLVVALETQKEAEADAPHLPLLKRYFPAQCWLQPDALGLGQHCCLRASLELGKLS  
 RTEWSVSFLPCGEMKVPWLAQASKLSPEKKDSSAGSLSLTLGCDNLPGPSPLDGILTSETGADSKT

TRTRPLE - GFP Tag - V

**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

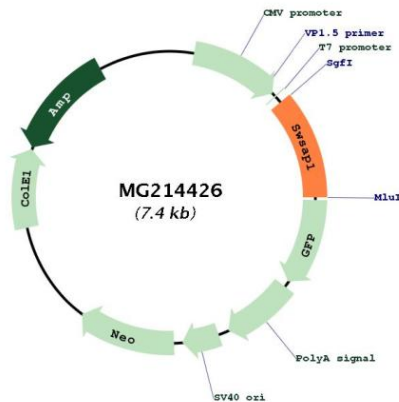
**Locus ID:** 66962

**UniProt ID:** [Q8VC17](#)

**Cytogenetics:** 9 A3

**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 MG214426