

## Product datasheet for MR205472

### Zswim1 (BC025184) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zswim1 (BC025184) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zswim1
Synonyms:	2410003H12Rik; AI850991; BB046916
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205472 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCCAGGTGTTCAAAAAGTTAAACCCAGCATGGGAGAGAGTCAATACCATCCTGGTGGACCCCACT  
TCCTCCTGCTGCCACCCTGACCATGGAGTTCACCACCGCTGAGGTCTTGCTCTCTGCCTCCACATCTG  
CAAGTTCTCCAGGTAATTCTATCAGCTGCCGTTGGAGCAGCCTGTCCAGAGGCTGTTCTGTCTCC  
CTGCAGAGCACGATGTGCTCAGCCACAGCTGGCAACCTGAGGAAGCTGTACACGCTCCTGAATAACTGCA  
TCCCCTCCAGCAGGCTGCCGGAGCTCCACTCACACTGGCTGCTCAATGACCGCATCTGGCTGGCCACCG  
CTGGAGGAGCCGCGCCAGAGCAGCCGCTACTTCCAGAGTCTGGAGATCATGGCCACATCCTCAGCCAG  
TTTTTTGGCACCACCCATTTGAGAAACAGGGTATGGCGTCTGTGTTCCGATACATGCAGCAGAACTCTT  
CGGACAAAGCCAGCCTCAGCCTGGCCGAGACACCCAGGACAGTCACTCCTTCAGAGGCCAGCGCTGA  
AAACCCCAACACAGAGCAGTTGGTGAAGCCCGTATCCAGCACTCCCTCAACGCCATCTGCACGGGGCCA  
GCCGCCAGCTTTGCCTAGGCGAGCTTGCCTGCTCCAGAAATCCATGCACCTCATTGGCTCCGGCTCCG  
AGAAGATGAGCATCCAGATTCTGGAGGACACGCACACCCGTCAGCCCCAGCCCCCGCAGCTGCAGCTG  
CTACTTTAACCAAGCCTTCCACCTGCCCTGCCGCCACATCCTAGCCATGCTCAGTGCCCGCCAGCAGGTA  
CTCCAGCCGACATGCTGCCCGCTCAGTGGACCTCGGGCTGTGCCTCCAGTCTAGACAGTATCCTAGGCA  
GCAAGTGGAGTGCCAGCCTGGATAAGCACCTGGCTGTGACTCTGCTCACTGAAGAGGTGGTTCGGCTCTT  
ACAGCACTGCAGCGAGGAGGAGTTCGAGCGTCGCTACAGCACCTCCGGAACTGGCCGACAACCTGGATC  
GGCCCTTATGAGCAGGTACAGCTC

**ACGGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR205472 protein sequence  
 Red=Cloning site Green=Tags(s)

MFQVFKKFNPAWERVNTILVDPHFLLLPTLTMEFPTAEVLLSAFHICKFLQGKFYQLPLEQPVQRLLSS  
 LQSTMCSATAGNLRKLYTLLNNCIPSSRLPELHSHWLLNDRIWLHRWRSRAQSSRYFQSLEIMAHILSQ  
 FFGTTPFEKQGMASVFRYMQNNSDKASLSLAETPQDSHTPSEASAENPTEQLVEARIQHSLNAICTGP  
 AAQLCLGELAVVQKSMHLIGSGSEKMSIQILEDHTVQPQPPASCSCYFNQAFHLPCRHLAMLSARQQV  
 LQPDMLPAQWTSGCASSLDSILGSKWSASLDKHLAVTLLTEEVGRLLQHCSEEEFERRYSTLRELADNWI  
 GPYEQVQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC025184

**ORF Size:** 1074 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:** [BC025184](#), [AAH25184](#)

**RefSeq Size:** 1985 bp

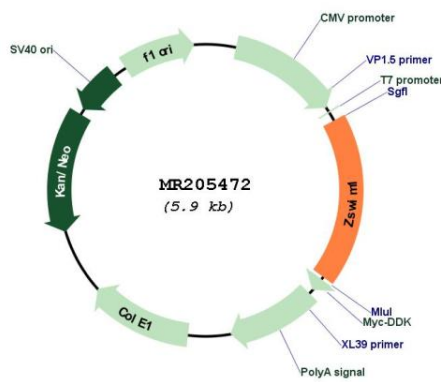
**RefSeq ORF:** 1076 bp

**Locus ID:** 71971

**Cytogenetics:** 2 H3

**MW:** 40.5 kDa

**Product images:**



Circular map for MR205472