

Product datasheet for **MG218852**

Zswim7 (NM_027198) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zswim7 (NM_027198) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Zswim7
Synonyms: 2410012H22Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218852 representing NM_027198
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGTCGCGCTCCCGGAGGTGGTGAAGAGCTCCTGAGCGAGATGGCCGCGCTGTGCGAGACAGCG
 CGAGAATCCCGACGAGCTTCTTTATCGCTGGAGTTTGTGTTGGGTCATCGCCATCCAGGCCTTGA
 CCTAGTCGATCGAGAGTCCGTCACCTTAACTCATCACCCAGTGAAGGCGTGTACCAGGTGCTAGGG
 AGTTCTGGCAAACATATACATGTCTGGCTTCTGTCTACTGCTCGTCCAGCATTCTCCTTCTCAG
 TGTTACGGAAGAGTGACAGCCTGCTGTGAAGCATCTTCTGGCAATTTACCTTAGTCAGCTTCTGAGGAA
 CTGCCAGCAGCTCCATGTGTCTGACAAGCAACTGACAGACCTATTGATGGAGGACACAAGAAGGATAAAA
 GGTGCGGCTGGAACATGGACTTCAAAGACAGAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218852 representing NM_027198
 Red=Cloning site Green=Tags(s)
 MAVALPEVVEELLSEMAAVRDSARIPDELLLSEFVFGSSAIQALDLVDRESVTLISSPSGRRVYQVLG
 SSGKTYTCLASCHYCSPAFSFSVLRKSDSLCKHLLAIYLSQLLRNCQLHVSDKQLDLLMEDTRRIK
 GAAGTWTSKTEA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

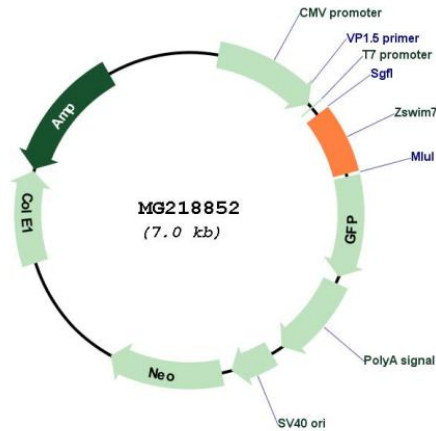


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Cloning Scheme:



Plasmid Map:



ACCN: NM_027198

ORF Size: 456 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:	<u>NM_027198.1, NP_081474.1</u>
RefSeq Size:	776 bp
RefSeq ORF:	459 bp
Locus ID:	69747
UniProt ID:	<u>Q9CWQ2</u>
Cytogenetics:	11 B2
Gene Summary:	Involved in early stages of the homologous recombination repair (HRR) pathway of double-stranded DNA breaks arising during DNA replication or induced by DNA-damaging agents. [UniProtKB/Swiss-Prot Function]