

Product datasheet for MR218852

Zswim7 (NM_027198) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zswim7 (NM_027198) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zswim7
Synonyms:	2410012H22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218852 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTCGCGCTCCCGGAGGTGGTGAAGAGCTCTGAGCGAGATGGCCGCGCTGTGCGAGACAGCG
CGAGAATCCCGACGAGCTTCTCTTATCGCTGGAGTTGTGTTGGGTCATCGCCATCCAGGCCTTGA
CCTAGTCGATCGAGAGTCCGTCACCTTAAATCTCATCACCCAGTGAAGGCGTGTACCAGGTGCTAGGG
AGTTCTGGCAAAACATATACATGTCTGGCTTCTGTCTACTGCTCGTCCAGCATTCTCTTCTCAG
TGTTACGGAAGAGTGACAGCCTGCTGTGAAGCATCTTCTGGCAATTTACCTTAGTCAGCTTCTGAGGAA
CTGCCAGCAGCTCCATGTGTCTGACAAGCAACTGACAGACCTATTGATGGAGGACACAAGAAGGATAAAA
GGTGCGGCTGGAACATGGACTTCAAAGACAGAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR218852 protein sequence Red=Cloning site Green=Tags(s)
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MAVALPEVVEELLSEMAAAVRDSARIPDELLLLEFVFGSSAIQALDLVDRESVTLISSPSGRRVYQVLG
SSGKTYTCLASCHYCSPAFSFSVLRKSDSLCKHLLAIYLSQLLRNCQQLHVSDKQLDLLMEDTRRIK
GAAGTWTSKTEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	Sgfl-MluI
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Cloning Scheme:


ACCN: NM_027198

ORF Size: 459 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_027198.1](#), [NP_081474.1](#)

RefSeq Size: 776 bp

RefSeq ORF: 459 bp

Locus ID: 69747

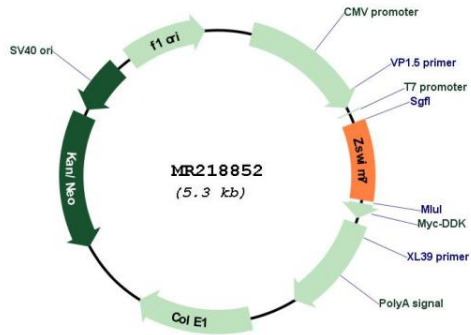
UniProt ID: [Q9CWQ2](#)

Cytogenetics: 11 B2

MW: 16.7 kDa

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]

Product images:



Circular map for MR218852