

Product datasheet for **MG225439**

Zswim2 (NM_027964) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zswim2 (NM_027964) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zswim2
Synonyms:	1700025P14Rik; 4933437F18Rik; MEX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225439 representing NM_027964
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTTCGCGGAGGCTGTAAAGCCTCAGAAAAGCGAAGACACTTAAGCGAGAGCCTCAGCTGGCAGCAAG
 ACCAGGCCGTGAGTAGCAGCATCTATCTCTGCGACAGATCGGCCCCACAGGCTTCCTACTGAAGGAGGA
 GGAGCCAGAAAAGGGGGATTTCGAGTTTTGCTTGAAACCCACATGAGTGCAGCTGCCCCACGTTTCTG
 AAGAGGGGGAACTGTGCAAGCACATATGCTGGGTGTTATTGAAAAAATCAAGCTTCCAAGGAATCATG
 AATCTGCTTTTCAGTTGGGTCTTACCGAAGGAGAAATAAATGACTTGCTCCGGGGGATACATCAGGTCCA
 AGCTCCACAGCTTAGAGCAAGTGATGAGACTGCACAGGTGGAAGAAGACGGCTACCTTAAGCAGAAGGAC
 ATCAATGCAGGGGATATCTGTCTATTTGTCAAGAAGTGTCTGCGGATCTTGCTAACTACCAAGACACAGG
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 GAGTTCAAAAACCTCTAACAACTCATACTATATCTGAGAAAGAACGACTGGACAAAACACCTCGGAATTC
 CCTGTAATAACTGTAACCAACTGCCAATCGAGGGGAGGTGCTACAAGTGTACTGAGTGTGTGGAGTACCA
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 CAAAGATGGAGATCAGTAGAAAAAGATCAGAAGTCATGAAATATTTAAATACTGAAATGAGGGTGAAG
 CAAAGCCGGGATGTTTTCAAGAAAAGCAGGGTCAGTTTTACACACCGAAGCATGTTGTAAAGTCTCTGCC
 TCTCTGATGATTACAAAGAAGCAAGCTGCTGGCCCCAGGGTACCAGTGTGCACTTTGCTTGAATCA
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 GGACGACCTATGCTCAGTCAAATTAGATAATTCAAATCCAGAAAATTAGTTTTTGGATATAAAATTAGC
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 TTCTCATAAGAACATTATTTGTCTCACTGGAAGGAAAGCCACATATCTATGAAAAGATCATATTGG
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 TTAAGACAACACAAGAGATCAAGTGCATTATCTTCAGAAGATTTAAATCTTACTATCAACTTGGGTACAA
 CCAAATTAAGTTTGTCTAAGAGGCAAAATAATTCCATGGGGAAGTTAGACAAAAACCTGGTCATCCACC
 CAGACGACCTGCGTATCCCCCTTACAAACACAAAATGCTGCTCTGCTTAAATAATGCAAGGAATTCAA
 CTC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

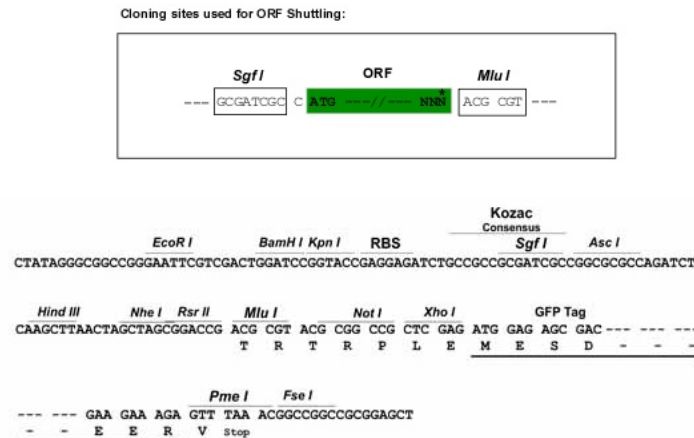
>MG225439 representing NM_027964
 Red=Cloning site Green=Tags(s)

MLRGGCKASEKRRHLSLSWQQDQALSSSIYLLRQIGPTGFLKKEEPEKGDFFRVLGNPHECSCPTFL
 KRGEICKHICWLLKKFKLPRNHESAFQLGLTEGEINDLLRGIHQVQAPQLRASDETAQVEEDGYLKQKD
 INAGDIPICQEVLLKLPVTFRCFGCINNVIKCMRILANYQDTGSDSSVLRCLPCREEFAPLKVILE
 EFKNSNKLITISEKERLDKHLGIPCNQNLPIEGRCYKCTECVEYHLCQECFDSCHSSHAFASREKRN
 QRWRSVEKRSEVMKYLNTENEGEAKPGCFQEKQGQFYTPKHVVKSLPLLMITKSKLLAPGYQCRLCLKS
 FSFGQYTRLLPCTHKFHRKCIDNWLLHKNSCPIQRQVIYNPLIWKGIATDGAHQQLASSKDIACLSKQQ
 EPKLFIPGTGLVLKGRMGVLPSPQYNSKVLTTLQNPSPNYQNIITMDDLCSVKLDNSNSRKLVFYKIS
 KQFPTYLKNPTTGQTPSQTFPLPSLPHKNIICLTGRESPIHYEKDHIGQSQKTSRGYEHINYNTRKSLGSR
 LRQHKRSSALSSDLNLITNLGTTKLSLKRQNNSMGKVRQKLGHPPRRPAYPPLQTQNAALSLIMQGIQ
 L

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027964

ORF Size: 1893 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

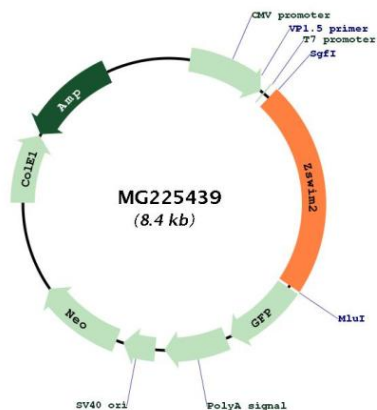
RefSeq: [NM_027964.2](#), [NP_082240.1](#)

RefSeq Size: 2062 bp

RefSeq ORF: 1896 bp

Locus ID:	71861
UniProt ID:	Q9D9X6
Cytogenetics:	2 D
Gene Summary:	E3 ubiquitin-protein ligase involved in the regulation of Fas-, DR3- and DR4-mediated apoptosis. Functions in conjunction with the UBE2D1, UBE2D3 and UBE2E1 E2 ubiquitin-conjugating enzymes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225439