

Product datasheet for **MR225439**

Zswim2 (NM_027964) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zswim2 (NM_027964) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zswim2
Synonyms:	1700025P14Rik; 4933437F18Rik; MEX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR225439 representing NM_027964
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCTTCGCGGAGGCTGTAAAGCCTCAGAAAAGCGAAGACACTTAAGCGAGAGCCTCAGCTGGCAGCAAG
 ACCAGGCGCTGAGTAGCAGCATCTATCTCTGCGACAGATCGGCCCCACAGGCTTCCTACTGAAGGAGGA
 GGAGCCAGAAAAGGGGGATTTCGAGTTTTGCTTGAAAACCCACATGAGTGCAGCTGCCCCACGTTTCTG
 AAGAGGGGGAACTGTGCAAGCACATATGCTGGGTGTTATTGAAAAAATCAAGCTTCCAAGGAATCATG
 AATCTGCTTTTCAGTTGGGTCTTACCGAAGGAGAAATAAATGACTTGCTCCGGGGGATACATCAGGTCCA
 AGCTCCACAGCTTAGAGCAAGTGATGAGACTGCACAGGTGGAAGAAGACGGCTACCTTAAGCAGAAGGAC
 ATCAATGCAGGGGATATCTGTCTATTTGTCAAGAAGTGTGCTGGAGAAAAAATCCCTGTCACCTTCT
 GCAGATTTGGTTGTGGCAATAATGTTACATAAAATGCATGCGGATCTTGCTAACTACCAAGACACAGG
 GTCTGACAGTTCCGTGTTAAGATGTCCGCTGTGCAGAGAAGAGTTGCACCACTAAAAGTTATCTTGGAG
 GAGTTCAAAAACTCTAACAACTCATACTATATCTGAGAAAGAACGACTGGACAAAACACCTCGGAATTC
 CCTGTAATAACTGTAACCAACTGCCAATCGAGGGGAGGTGCTACAAGTGTACTGAGTGTGTGGAGTACCA
 CTTATGCCAGGAGTGCTTTGACAGCTGCTGCTACTCTTCCCATGCCTTTGCGTCCCGTGAGAAAAGAAAC
 CAAAGATGGAGATCAGTAGAAAAAGATCAGAAGTCATGAAATATTTAAATACTGAAATGAGGGTGAAG
 CAAAGCCGGGATGTTTTCAAGAAAAGCAGGGTCAGTTTTACACACCGAAGCATGTTGTAAAGTCTCTGCC
 TCTCCTGATGATTACAAAGAAGCAAGCTGCTGGCCCCAGGGTACCAGTGTGCACTTTGCTTGAAATCA
 TTTTCTTTTGGTCAATATACAAGACTGCTACCATGTACTCACAAGTTTCACAGGAAATGTATTGACAATT
 GGTTACTCCACAAGTGAATTCATGCCGATTGACAGACAAGTCATATATAACCTCTGATCTGGAAGG
 CATAGCCACGGATGGACAAGCACATCAGTTGGCTTCAAGCAAAGATATCGCCTGTCTGTGCAAGCAGCAA
 GAGCCAAAACCTTTTTATTCTGTTACTGGATTAGTTTTAAAAGGAAAGAGAATGGGGTTTTACCTAGCA
 TTCCCCAGTATAATTCTAAAGTATTGACTACACTTCAAAATCCATCAGACAACATCAGAATATAACAAT
 GGACGACCTATGCTCAGTCAAATTAGATAATTCAAATTCAGAAAATTAGTTTTTGGATATAAAATTAGC
 AAACAGTTCCCCACATATCTGAAAAATCCAACCACTGGGCAAACACCATCTCAAACATTTCTTCTTCCC
 TTCCTCATAAGAACATTATTTGTCTCACTGGAAGGAAAGCCACATATCTATGAAAAAGATCATATTGG
 TCAGAGTCAAAAGACAAGCAGAGGTTACGAACATATAAACTATAACACAAGGAAATCTCTTGGTTCTAGA
 TTAAGACAACACAAGAGATCAAGTGCATTATCTTCAGAAGATTTAAATCTTACTATCAACTTGGGTACAA
 CCAAACCTTAGTTTGTCTAAGAGGCAAAATAATTCCATGGGGAAAGTTAGACAAAAACTTGGTCATCCACC
 CAGACGACCTGCGTATCCCCCTTACAACACAAAATGCTGCTGTCTTAAATAATGCAAGGAATTCAA
 CTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225439 representing NM_027964
 Red=Cloning site Green=Tags(s)

MLRGGCKASEKRRHLSLSWQQDQALSSSIYLLRQIGPTGFLLEEPEKGDVRLGNPHECSCPTFL
 KRGELCKHICWVLLKKFKLPRNHESAFQLGLTEGEINDLLRGIHQVQAPQLRASDETAQVEEDGYLKQKD
 INAGDIPICQEVLLKKLPVTFRCFGCANNVHIKCMRILANYQDTGSDSSVLRCPLCREEFAPLKVILE
 EFKNSNKLITISEKERLDKHLGIPCNQNLPIEGRCYKCTECVEYHLCQECFDSCHSSHAFASREKRN
 QRWRSVEKRSEVMKYLNTENEGEAKPGCFQEKQGFYTPKHVVKSLPLLMTKKSKLLAPGYQCRLCLKS
 FSFGQYTRLLPCTHKFHRKCIDNWLLHKCNSCPIDRQVIYNPLIWKGIATDGAHQLASSKDIACLSKQQ
 EPKLFIPGTGLVLKGRMGVLPSPQYNSKVLTTQNPSDNYQNITMDDLCSVKLDNSNSRKLVFYGYKIS
 KQFPTYLKNPTTGQTPSQTFPLSPHKNIICLTGRESPHIYEKDHIGQSQKTSRGYEHINYNTRKSLGSR
 LRQHKRSSALSSDLNLTLNLGTTKLSLSKRQNNSMGKVRQKLGHPPRRPAYPLQTQNAALSLIMQGIQ
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9044_c05.zip

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

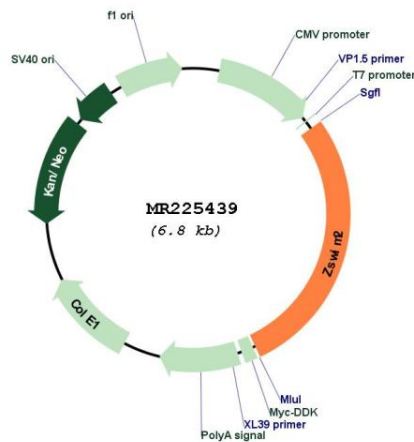
UniProt ID: [Q9D9X6](#)

Cytogenetics: 2 D

MW: 72.2 kDa

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 MR225439