

Product datasheet for **MC229671**

Zswim8 (NM_001252081) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zswim8 (NM_001252081) Mouse Untagged Clone
Tag: Tag Free
Symbol: Zswim8
Synonyms: 2310021P13Rik; 4832404P21Rik; Kiaa0913; mKIAA0913
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229671 representing NM_001252081
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTGATGTTTCGCGGAGTGGGAGGACGGCGAGCGCTTCTCGTTTGAGGATTCGACCGCTTTGAGG
 AGGATTCCTCTGTTTCGTTTCATTTCCGAGGCCGAGAGCCTTTGCCAGAAGTGGCGAGGATGGCGAAACA
 GTCAGCGGGGCCAATCCCCACTGGAGCGGGTGGCGGAGGTGGCAGTGGCGGTACCAGAACCGGAGAT
 GGATTGGTAATCCATTGGTGGAGCTGTACGAAAGCAGGTGGCATTTCACATCCATTTGAAGTGGTAG
 AGAAAGTTTATCCTCCAGTGCCAGAACAACCTCCAACTCCGAATTGCTTTTTGGAGCTTCCCTGAGAAATGA
 AGAGGACATTCGTCTGTATTTCATGCCTAGCCAATGGCAGTGGCGATGAGTTTCAGCGAGGGGATCAGCTG
 TTCCGAATGAGGGCTGTGAAAGACCCGCTGCAGATAGGGTTCCATCTGAGCGCCACAGTGGTACCACCGC
 AAATGGTCCCACCAAGGGGGCTACAATGTAGCTGTGATGTTTGACCGCTGCCGGTCACTTCTTGATG
 CTGTACCTGTGGGGCCGGGGCCAAATGGTGCACCCATGTCGTGGCACTCTGCCTCTTCCGATTACAAC
 GCATCTGCAGTCTGCCTGCGGGCTCCAGTCTCAGAGTCCCTGTCTCGGCTACAAAGGGACCAAGCTTCAA
 AATTTGCTCAGTACCTTATCAGTGAGCTTCTCAGCAGATTCTCCACAGCCAGCGCTTCTAGACGA
 GCTCCTTTCTCCAGTCCACAGCCATCAACACAGTGTGTGGGGCTCCGACCCCTACAGCAGGGCCCTCA
 GCTTCAGACCAGAGCACTTGGTATTTGGATGAGTCAACACTCACTGACAACATAAAGAAGACACTACATA
 AGTTCTGTGGCCCTCCCTGTGGTCTTCAGTGTGTAAGTCTATGTATCTCTCTTCCACGGAACCTCC
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 CTTAGCATTGTTTCGAGAGATGTTCAAGCGAAGGGACAGCAATGCTGCCCTTGTGAAATACTCACTG
 ACCAGTGCCTCACCTATGAACAGATAACAGGCTGGTGGTATAGTGTGCGCACCTCAGCTTACACAGCAG
 TGCCAGTGGTACACAGGCCGTAGCAATGGCAGTCAAGGTAGCAGCCCATGCATGTGCAAGTATGTGC
 GACGAGATGGTTACCCTCTGGAGCTGGCTGTGCTGGACCCTGCCCTCAGCCCTCAGCGCCCGGGGAAC
 TGTGTGCACAGCTGCCTCAGTGGCAACTGAAGGTGATTGAGAATGTCAAGCGGGCCAGCACAAGAAGAC
 CCTAGAGAGGCTCTTCCCTGGCTTCCGGCCAGCTGTGGAGGCTGCTACTTTAACTGGGAAGAGGCTTAT
 CCTCTTCTGGTGTACCTACAGTGGCACTGACCGGAAGCTAGCCCTGTGCTGGGCCCGGGCCCTGCCTG



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CCAGGCCAGGAGCCTCTAGATCTGGGGCCTGGAAGAGTCCCGGCCCCGACCTCTTCTACTGAGCCAGC
TGTGAGGCCAAAGGAACCTGGGGCCAAACGCAAAGGATTGGGTGAGGGGATCTCCTCACAGCGGGCCCC
CGCCGCCTCTCTGCCAAGGAGGAGATAAAGCTCTGCATAAGATGGGTCCAAGTGGGGGCAAAGCCAAGG
TACTGGGTGGGACTGGCAGCGGGGGCAAGAGCTCAGCAGGCAGTGGGAGCAAACGGCGCTAAGCAGTGA
AGACAGCTCCCTGGAACCAGACCTGGCAGAGATGAGCCTGGATGACAGCAGCCTGGCCCTGGGTGCAGAG
GCCAGCACCTTTGGTGGATTCCCTGAGAGCCCTCCACCCTGTCTTCTCGTTGGCTCCAGAGGACCTT
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GCCTCCCACAGCCTCTGCAGACCACCCTGGTCTGCTGGGGAGGTCTGTACCCGAGATGACCTCCCT
TCCACAGACGACAGTGGCAGTGGGCTACACAAAACCAAAGAAGCAGCTCCTGCAGTTGGAGAGGAGATG
ACGACTACCAAGCATATTACCTGAATGCCAGGATGGGGCTGGAGGCGAGGAGGAGAAGGCGGAGGGCGG
GACTGGGGAGGAGCATGACCTGTTTGTGGTTTGAAGCCACTGGAACAGGAGAGCCGAATGGAGGTGTTG
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TGAAATGAGTACCATTCCGATGCCGGCAGAAGAACTTCGGGAGGGTACACTGTGTGACTATCGGCCTGTC
TTGCCCTCATGTTGGCCAGTTTCATCTTTGATGTTCTCTGTGCTCCAGTGGTTTCTCTCACGGGTTCC
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TGCCTTGGGCATGAAGACAACAGTGAAGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
AAGGGTGACCTGGCCTTAGCACTCATGATCACCTACAAGGATGACCAGGCCAAGCTCAAGAAGATCCTAG
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GCCGGCCACAGCCAACCAGAGATCTCCTCAAAGCACGGGGCCCCATCTGCTCCCGGGGCTGCAGCCA
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GCTTACAGAGAAGAATGTACCCGAAAGTTCGCCACATTCGCCCTGTGAAGTCTCCACCTGAGGCAGC
TTTGACTCCACGGCCGGAGGGGAAGTTCTAGCCGCTAGCACTTGGCAGTCTGGAGGTTATAATGGT
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CTGAAACCACATCGACAGCTCTCTACCTAAGCCGACGGCCACTTCGAGGGGCTGGGCCCTACTTC
TTGGGGTGCAGGACAAGACAGTACAGCATTAGCAGCTTCTCAGACTCTCTGGGCTCTTCATCTCC
AGTGGAAGCCGGGGCTAGTGCAGTGGAGGGCCCGGGCAAAGACAGTTGACGTTGGCAGGTGTTACA
AAGGCCCGCCCTGAGAGTCATGCCCCACGTACCCAATCAGCCGTCAGAGGCAGCTGCACACTTCTA
CTTCGAATTGGCGAAGACAGTTCTGATCAAGGCAGGGGCAACAGCAGCAGCCTCCATTTTACACATCCA
TCTTCTCAGGAGGCCACCAGGGTCTCACCAGCACTGACCTTTGCGCCTTGAGATTGGGCTTTATG
CCCTAGGCCTGCATAACTTTGTTTCTCCTAACTGGCTCTCTCGTACCTATTCTTCCCATGTATCCTGGAT
TACAGGGCAGGCCATGGAGATTGGCAGTGCAGCCTTGACTATACTGGTAGAATGCTGGGATGGGCACCTG
ACACCCCTGAGGTTGCATCGCTGGCCGACAGAGCGTCACGGGCACGAGACTCCAACATGGTGAGGGCAG
CGGCAGAGCTGGCTCTAAGCTGCCTGCCTCATGCCACGCACTGAACCCAATGAGATTCAGCGGGCCTT
GGTGCAGTGCAAGGAACAGGATAACCTGATGTTGGAGAAGGCCTGCATGGCCGTGGAAGAGGCAGCCAAG
GGTGGGGCGTATACCCTGAAGTGTGTTTGGAGTTGCTCATCAGTGGTTCTGGCTTTATGAGGAGACAG
CAGGCGGCTCGTCCACAGCTCGTGAAGGGGCTACAAGCTGTAGTGGCAGTGGGATGAGGGCCGCTGGGGA
GGCTGGGCGGGGACTCCCTGAGGGTAGGGTGCCCAAGGACTGAACCTGTTACAGTGGCTGCGGCAGCA
GTGACAGCAGCAGCCACAGTGGTTCCGGTTCATCTCAGTGGGGTCCAGTTTATATCCAGGTCCAGGACTGG
GGCATGGCCACTCCCCTGGCCTGCACCCCTACTGCTCTCCAGCCCACTTGCCTGCAGCCCTCAGTA
CCTCACCACCCAGCTCACCTGCCACCCTATGCCTCATATGCCCGGCTGCCGTCTTCCCTGTGCC
AGCTCTGCATACCCACAGGGTGTGCATCCTGCATTCTGGGGGCGCAATACCCTTACTCAGTGACTCCTC
CCTCGTTGCTGCCACAGCTGTATCTTCCCTGTCCCTCCATGGCTCCCATCACAGTCCATCCTTACCA
CACAGAACCAGGGCTCCCCTGCCACCAGTGTGGCCTTGAGCAGTGTCCATCCAGCATCTACGTTTCCA
GCCATCCAGGGTGCCTCACTGCCTGCTCTGACCACACAGCCAGCCCTCTGGTAAGCGGGGGTTTTCCAC
CACCCGAAGAGGAGACACAGTCAACCGTCAATCCACATAGCCTGCACCATCTGCATGCTGCTTACCG
TGTTGGGATGCTGGCACTGGAGATGCTAGGTGCGCCGGGCACACAACGATCACCCCAACTTTTCCCGC
TCCCCCTTACTGATGATGTCAAATGGTTGCTGGGGCTGGCAGCAAAGCTGGGAGTGAACACTGCTGC
ACCAGTTCTGTGGGGCAGCCAAGGGGGTGTGAGCCGTTTGTGCTGCAGGAGATCGTCATGGAGAC

GCTGCAGCGGCTGAACCCATTTCATGCCACAACCACCTTCGAGCCCCGGCCTTCCACCAACTGGTGCAG
CGCTGTCAGCAGGCATACATGCAGTACATCCATCACCGCTTAATTCACCTGACTCCTGCCGACTACGACG
ACTTTGTGAATGCAATCCGCAGCGCTCGCAGCGCCTTCTGCCTGACACCCATGGGCATGATGCAGTTCAA
CGACATCTACAGAACCTCAAACGCAGCAAACAGACCAAGGAGTTGTGGCAGCGGGTCTCTCTGGAGATA
ACCACCTTCTCCCCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001252081
Insert Size:	5478 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001252081.1</u> , <u>NP_001239010.1</u>
RefSeq Size:	6073 bp
RefSeq ORF:	5478 bp
Locus ID:	268721
UniProt ID:	<u>Q3UHH1</u>
Cytogenetics:	14 A3

Gene Summary:

Substrate recognition component of a SCF-like E3 ubiquitin-protein ligase complex that promotes target-directed microRNA degradation (TDMD), a process that mediates degradation of microRNAs (miRNAs) (PubMed:33184237). The SCF-like E3 ubiquitin-protein ligase complex acts by catalyzing ubiquitination and subsequent degradation of AGO proteins (AGO1, AGO2, AGO3 and/or AGO4), thereby exposing miRNAs for degradation (By similarity). Specifically recognizes and binds AGO proteins when they are engaged with a TDMD target (By similarity). May also acts as a regulator of axon guidance: specifically recognizes misfolded ROBO3 and promotes its ubiquitination and subsequent degradation (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.