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Product datasheet for MC229665

Zswim8 (NM_001252082) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zswim8 (NM_001252082) 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:	>MC229665 representing NM_001252082 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGCTGATGTTCGCGGAGTGGGAGGACGGCGAGCGCTTCTCGTTTGAGGATTCCGACCGCTTTGAGG AGGATTCACTCTGTTCGTTCATTTCCGAGGCCGAGAGCCTTTGCCAGAACTGGCGAGGATGGCGCAAACA GTCAGCGGGGCCCAATTCCCCCACTGGAGGCGGTGGCGGAGGTGGCAGTGGCGGTACCAGAACGCGAGAT GGATTGGTAATCCCATTGGTGGAGCTGTCAGCAAAGCAGGTGGCATTTCACATCCCATTTGAAGTGGTAG AGAAAGTTTATCCTCCAGTGCCAGAACAACTCCAACTCCGAATTGCTTTTTGGAGCTTCCCTGAGAATGA AGAGGACATTCGTCTGTATTCATGCCTAGCCAATGGCAGTGCGGATGAGTTTCAGCGAGGGGATCAGCTG TTCCGAATGAGGGCTGTGAAAGACCCGCTGCAGATAGGGTTCCATCTGAGCGCCACAGTGGTACCACCGC AAATGGTCCCACCCAAGGGGGCCTACAATGTAGCTGTGATGTTTGACCGCTGCCGGGTCACTTCTTGTAG CTGTACCTGTGGGGCCGGGGCCAAATGGTGCACCCATGTCGTGGCACTCTGCCTCTTCCGCATTCACAAC GCATCTGCAGTCTGCCTGCGGGCTCCAGTCTCAGAGTCCCTGTCTCGGCTACAAAGGGACCAGCTTCAAA AATTTGCTCAGTACCTTATCAGTGAGCTTCCTCAGCAGATTCTCCCCACAGCCCAGCGTCTTCTAGACGA GCTCCTTTCCTCCCAGTCCACAGCCATCAACACAGTGTGTGGGGCTCCGGACCCTACAGCAGGGCCCTCA GCTTCAGACCAGAGCACTTGGTATTTGGATGAGTCAACACTCACTGACAACATAAAGAAGACACTACATA AGTTCTGTGGCCCCTCCCCTGTGGTCTTCAGTGATGTAAACTCTATGTATCTCTCTTCCACGGAACCTCC TGCTGCTGCTGAGTGGGCATGTCTGCTGCGGCCTCTGAGGGGTCGAGAGCCTGAGGGTGTCTGGAACCTG CTTAGCATTGTTCGAGAGATGTTCAAGCGAAGGGACAGCAATGCTGCCCCCTTGCTGGAAATACTCACTG ACCAGTGCCTCACCTATGAACAGATAACAGGCTGGTGGTATAGTGTGCGCACCTCAGCTTCACACAGCAG TGCCAGTGGTCACACAGGCCGTAGCAATGGGCAGTCAGAGGTAGCAGCCCATGCATGTGCAAGTATGTGC GACGAGATGGTTACCCTCTGGAGGCTGGCTGTGCTGGACCCTGCCCTCAGCCCTCAGCGCCGCCGGGAAC TGTGTGCACAGCTGCGTCAGTGGCAACTGAAGGTGATTGAGAATGTCAAGCGGGGCCAGCACAAGAAGAC CCTAGAGAGGCTCTTCCCTGGCTTCCGGCCAGCTGTGGAGGCCTGCTACTTTAACTGGGAAGAGGCTTAT CCTCTTCCTGGTGTTACCTACAGTGGCACTGACCGGAAGCTAGCCCTGTGCTGGGCCCGGGCCCTGCCTG

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CCAGGCCAGGAGCCTCTAGATCTGGGGGCCTGGAAGAGTCCCGGCCCCGACCTCTTCCTACTGAGCCAGC
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CCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001252082

Insert Size: 5397 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:
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_001252082.1, NP_001239011.1

RefSeq Size: 5992 bp

RefSeq ORF: 5397 bp

Locus ID: 268721

UniProt ID: Q3UHH1

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 (3) lacks an alternate in-frame segment in the central coding region, compared to variant 1, resulting in an isoform (3) that is shorter than isoform 1.