

Product datasheet for **MC228515**

Zmym5 (NM_001253753) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmym5 (NM_001253753) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zmym5
Synonyms:	9830124H08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228515 representing NM_001253753
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGCTCATCTCGCAGATATGGAATCATCTGGGGTCCAAGTCTTTAGCCGGTACATCTAGAA
 ACACACATGTGGAAGATGATGATGTTGATTTATTGAATCAGTACAGCCTCCAATTTGTGCTCCAGCAAT
 ACCTAATGAAAGAACTTTGATTTGCTTCCTCAAAACATGAAAAATCCACCAGGAAGTATTCCACAATT
 TCCCTTCTTGGAGAGATTTGACTTCTCAGAAGGGAAATCTATGTGAAACAATTGTAATTGATGATGAAG
 GGGACACAGACACAAATGGAGGGGAGGAGAAAAATCCTACCGACTTTATTGAATGGGACCGAATGGAAA
 TAAAGTAGTACCAAAATGTGGATTTCCCATTCAGTCTATCAAGAAGCAAGACCAAGACTGCAGTA
 GGACCTTTTAATCCCGTAGGATCGATGTCACGGATGCGTTTCAGAATGGAAGATTTGCAGTTCATCACA
 ATCCTGATTCTTGGATCTCCAGTCAGCATCATTTCTCGTAACCAGAAACAACAAGGGGTGGATCTTT
 ATCACCAGTGGCCTCACTTCTAAACAGATATTCCAGCCTCGAACCAACAACCCACTAAACCAGTTAAA
 GTCACCTGTGCAAACTGCAAAAAACCTCTACAGAAGGGGCGAGACAGCTTACCAGCGAAAAAGGATCAGCTC
 ACCTCTTCTGTTCAACCCTGCCTTTCTTCTTCTCCATAAGCGTACTCGAAAGACACGGAATGTAAT
 GTGTAAAAAGATTCTCCTGTGAGAACCACAATATTGTTCTCCAGTGGAGTCAAGCAAGTCTTACAA
 GGATTTTATAATGCATCGCTATCTCCCTATGAAACTGCCAGAGTCTTAGGAAAGAAGTTTTACTAAGT
 CAAGATGTATAATCTGTAATAAATTAGGAGAGGTTCCGCATGAAATCAGTGTAAACAGTATAACACATAA
 GCTGTGCAGTAATAATTGCTTTAATGAATACAGATTGACGAATGGTCTAATAATGAACTGCTGTGAACAG
 TGTAGCAAGTATATGCCAAGAGTACTGGGCACAGCATTCTGATAACAGGTCAGCAAAAGAGATTCTGCT
 GCCAGATTGTGCTGACGAATATAAAGAGATAATGGAAGCAAAATCAAACTACTGCTTTTACAAAATAG
 AAAAAGGAATGCTATCAGAGAAGAAAAATGAAAAACGATTACGTGAATCATCAGGTACACTTTCAGGAAAC
 ACAGGAGACATACCCGAAAAAAGGAAAAAGTCTTCAGAGATAATAAAGTCGCAGCAGACTGTAGCCTAG
 ATACATCATCAGAGGAACAAAATGTGAATTTACCTTGTCTGTGGCAGTAATATCTGATACATTTAAAGA
 GCAACTAGGAGACAAAAATTCAGAGGAATTGGATATGTCCATTTTACCTTCTTGGATCCAGGTTTCATGG
 CCCCGAATTTTGAATATGAAACAACGTGAATTTCTGTCAAAAACAATCCACCTCAAATAAGAAATTTTA
 ATTTTCCAAAAGATAGTGCAGGCAAGAAGTTTTCAGAAACGATTATACCCGAATTTCTCCAAATGGTGA
 AAAGGGCACCAGACCCTGGCTGCTCTACTCAGCCTCGAAAGACTCTGTGTTTTGCCTGTATTGCAGACTC
 TTTGGGAAGGAAAAACCAACTGAGAAATGAGAAATGGGTGCAAAGATTGGCATCATTTGTCACATCTTC
 TTAGTAAACATGACGAAAGTGAAATGCACATCAACAATAGTGTTAAGTATTCAAAATTAAGTCTGACTT
 GGAAAAATAAACCAATGAAGCTACAGAAGGTGGGAAGATTGTGTGCAGTACTGTACACATA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001253753

Insert Size: 1884 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.

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

RefSeq: NM_001253753.1, NP_001240682.1

RefSeq Size: 5360 bp

RefSeq ORF: 1884 bp

Locus ID: 219105

UniProt ID: Q3U2E2

Cytogenetics: 14 C3

Gene Summary: Functions as a transcriptional regulator.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1-3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.