

## Product datasheet for **MC224358**

### Zmym3 (NM\_019831) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Zmym3 (NM\_019831) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Zmym3  
**Synonyms:** 9030216B10Rik; AW122925; DXS6673Ei; Zfp261  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224358 representing NM\_019831  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACCCAGTGATTTCCCGAGTCCATTTGACCCATTGACCCTGCCAGAGAAGCCCTGGCTGGAGACC  
 TTCCAGTAGACATGGAATTTGGAGAGGATCTGCTGGAATCTCAGACTGCCCAAGTCGAGGATGGGCTCC  
 CCCAGGTCGGTCTCCATCCTCTGGAGCCCTGGACCTGCTTGATACCCCTTCTGGCCTGGAGAAGGACCCCT  
 GGAGGAGTTCTGGATGGAGCCACTGAGCTACTGGGGCTGGGGGGCTACTCTATAAAGCCCTTCTCCCC  
 CAGAGGTGGACCATGGTCTGAGGGAACCTTGCATGGGATTGGGGGAGCAGACCCCTAGAGCCTGGACC  
 AGGGTGTCAAACCCCTGAGGTGATGCCACCTGATCCAGGGGCTGGGGCTAGTCCCCCTTACCTGAGGGG  
 CTACTAGAACCTTTGGCTCCAGATTCTCCAATAATCCTGGAGTCTCCTCATATTGAAGAGGAGATACCC  
 CCTTAGCTACAAGGAGAAGGGGCTCCCTGGGCAGGAGGAGGAGCATACCCAAGGCAGCCACAGAGCCC  
 CAATGCACCCCTAGCCCTTCACTGGGAGAGACTCTGGGGATGGCATCAACAGTTCTCAGAGCAAACCT  
 GGGGTATGTACCCTACTGCACATCCTTCGTTGCCAGGAGATGGCCTGACTGGGAAGGAGATTGAGAAGC  
 CGCCTGAGAGGGTACAGAAGAGAAGCGAGCGGTTAGAAGAGCAGAACCTCCAAGCCTGAGGTTGTGGA  
 CTCCACTGAGAGCATTCCAGTGTGATGAGGATTCTGATGCCATGGTAGATGACCCCAATGATGAGGAC  
 TTTGTGCCATTCCGGCCCCGGCGCTCTCCTCGCATGTCCCTGCGCTCAAGTATGGCACAAGGGGCTGGG  
 GCTCTTCAATGGGCACCAAGATGTCTTGTGCACATTGCCGGACCACTGCAGAAGGGGACAGCGCCTA  
 TCAGCGCAAGGGGTTGCCTCAGCTCTTCTGTTCTTCTCATCTTGTCTCACTACTTCAAGAAGCCCTTG  
 GGCAGAAAAGACCTGTACCTTCTGCAAGAAGGAGATCTGGAACACCAAGGACTCAGTTGTGGTACAGACTG  
 GTCCAGGAGGCTCCTCCATGAGTTCTGCACATCTGTCTGTCTCTCTATGAGGCCAGCAGCAGCG  
 TCCAATCCCCAGTCTGGGGATCCTGCCGATGCCACTCGCTGCAGCATATGCCAGAAGACTGGAGAGGTT  
 CTTGATGAGGTCAGCAATGGCAGCGTGGTACACCGACTCTGCAGGATTCTTGTCTTCCAATTCAGAG  
 CCAACAAGGGACTGAAAACCAACTGTTGTGACCACTGTGGGGCTTACATCTATGCCAGGCCTGGGGGCT  
 TGGCCAGAGCTCCTGTTTCATGATGGTCAACAAAAGCGGTTTTGCAACCAACGTGCTTGGGGGACATC  
 AAGAAGAAAACACACGTGTGTACCCATGTGTCTGGTGAAGACCTGTGTAAGAAGTTTGGATGCTAT



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CACATGTGGATCGTAATGGCAAGACCAGCTTGTTCTGTTCCCTGTGCTGTACCACTTCTTACAAAGTGAA  
 GCAGGCAGGGCTCACTGGCCCTCCCGACCCTGCAGCTTCTGCCGCCGACGCTCTCTGACCCTTGTAC  
 TACAACAAAGTTGATCGCACAGTCTACCAGTCTGCAGCCCCAGCTGCTGGACCAAGTCCAGCATACTA  
 GCCCTGAGGGGGCATTACCTGAGCTGTCACTACTGCCATAGCCTCTTCAGTGGCAAGCCTGAGGTCTT  
 GGAGTGGCAGGACCAGGTCTCCAGTCTGCTGCCGTGATTGCTGTGAGGACTTCAAGCGGCTTCGGGGT  
 GTGGTATCCCAGTGTGAGCACTGCCGGCAGGAAAAGCTCCTGCACGAGAAGCTTCGATTCAGTGGGGTAG  
 AGAAAAGCTTCTGCAGTGAAGGCTGTGTACTGCTACAAGCAAGATTTTACTAAGAAGCTGGGCTTATG  
 TTGTATCACCTGTACTTACTGTTCCCAAACCTGCCAGCGTGGTGTCACTGAGCAGCTGGATGGCAGCACC  
 TGGGACTTCTGCAGCGAGGACTGTAAGACCAAGTACCTGTTATGGTACTGCAAGGCTGCCGGTGCCATG  
 CCTGTAAGCGCCAGGGGAAGCTGCTGGAACGATCCACTGGCGTGGGCAAATCCGTCATTCTGCAACCA  
 ACAGTGTCTGCTGCGTTTCTACAGCCAGCAGAACCAACCAACTTGGATACCCAGAGTGGGCCAGAAAGC  
 CTCCTGAACAGTCAGTCTTCTGAGTCCAAGCCCCAGACACCCTCTCAAACCAAAGTGAGAAACAACCACA  
 CAGTGAGGACCCAGACGAGAATGGGAATTTGGGCAAGACTCCTGTGAAGAGAGCAACTCCAAGTGTGCC  
 CACTCTCCACCCACCACCCCGGCCAACACCCCGCAAAAACAAAGCTGCCATGTGAAGCCGCTGATG  
 CAGAACCAGGGTGTCTCCTGCAAGCGGAAATGAAGTCCAAGGAAGTCAAGCAGAAGAGTGAAGCCAC  
 AAGTGATTGTGCTGCCATCCCAGTGCCATATTTGTGCCAGTGCCTATGCATCTATACTGCCAGAAAGT  
 CCCGGTGCCTTTCTCAATGCCTATCCCGGTGCCTGTGCCATGTTCTTGCCCACTACCTGGAGAGCACA  
 GAGAAGATCGTGGAGACCATTGAGGAGCTGAAGGTGAAGATCCCTTCAAACCCCTTGGAGGCTGACATCC  
 TGGCCATGGCAGAGATGATTGCAGAGGCCGAAGAGTTAGACAAGGCCCTCCTCGGATCTTTGTGATCTTGT  
 GAGCAACCAGAGTGCAGAGGGACTTCTGGAAGACTGTGACCTGTTTGGGACAGCTCGGGATGATGTCCTG  
 GCCATGGCTGTTAAGATGGCTAATGTCTTAGATGAGCCTGGGCAAGACTTGGAGGCTGATTTCCCAAGA  
 ATCCTTTGGACATTAACCAAGTGTAGACTTCTCTTTGATTGTGGCCTTGTAGGGCTGAGGATGTATC  
 TACTGAACAGGACCTTCTAGAGCCATGAGGAAGGGTCAAAAGAGGCTGATGCTTTCTGAAAGCTGTTCC  
 AGGGACTCTCTGAGCAGCCAGCCTAGTTGTACTGGTCTCAACTATTCATACGGTGTCAATGCTTGGAAAT  
 GCTGGGTACAGTCAAAATACGCCAATGGAGAGACCAGCAAGGTGATGAGCTACGCTTTGGCCCAAAACC  
 CATGCGTATCAAGGAGGATATTCTCGCCTGTTAGCTGCTGAGCTCAACTATGGTCTGGCCAGTTCGTG  
 AGAGAAATCACTCGGCCAATGGTGAACGATATGAACCTGACAGTATCTACTACTTGTGCTTGGCATT  
 AGCAGTATTTGCTGAAAATAACCGGATGGTGAACATTTTACGGACCTTACTACTTGACTTTCGTTCA  
 AGAACTCAACAAGTCTCTGAGTACCTGGCAGCCACACTCCTCCCAACAATACTGTATTCTCCCGTGTG  
 GAGGAAGAACACCTCTGGGAGTGAAGCAACTGGGGTTTATTCTCCCTTTGCTCCTCAATACCTCA  
 TGTTCTTCAACACTAAGTTTTTTGGACTGCAGACAGCTGAGGAACACATGCAACTCTTTCACTAATGT  
 GGTACGGCAGTCTCGAAGTGTACCACGCTCGGGGCACCACCAAGGTGGTGAAGATCCGCTACTATGCC  
 CAGTCCGACAGAGGAAAGGGCGAGACACAGTCTGGGAAACGAAAGAGAGAAGATGAAACTATCTTAG  
 AGCAGCGTGAGAAATCGCATGAATCCCCTCCGCTGCCCGTCAAGTCTATGAGTCTATCTCAAATG  
 TCCTGAAAGCCTCCGAACCGAATGATGTGTTCTATCTGCAACCTGAGCGCTCCTGCATTGCCGAATCA  
 CCTCTCTGGTATTCTGTGATTCCCATGGACCGAAGCATGTTGGAGAGCATGCTCAATCGCATTTTAGCTG  
 TGGTGTGAGATTTATGAGGAACCTGGTGTCTCGGGGAAGAAGACCTAGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_019831

**Insert Size:**

4113 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).

|                               |   |
|-------------------------------|---|
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_019831.3</a></u> , <u><a href="#">NP_062805.1</a></u>   |
| <b>RefSeq Size:</b>           | 5430 bp   |
| <b>RefSeq ORF:</b>            | 4113 bp   |
| <b>Locus ID:</b>              | 56364   |
| <b>UniProt ID:</b>            | <u><a href="#">Q9JLM4</a></u>   |
| <b>Cytogenetics:</b>          | X 44.1 cM   |
| <b>Gene Summary:</b>          | <p>Plays a role in the regulation of cell morphology and cytoskeletal organization.<br/>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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.</p>                           |