

Product datasheet for **MC218327**

Zmym3 (NM_001177987) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmym3 (NM_001177987) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zmym3
Synonyms:	9030216B10Rik; AW122925; DXS6673E1; Zfp261
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218327 representing NM_001177987
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGAGACGGGGTGTAGCCTTGACAACTGCTTTGGGGGGGGGTACCAGGCAGTAACCGTT
 ACTGCATAGGCGTTGTCCTAAGCCAGAACCATTTAACTGGCAAGGCCCATACCCAGCCATGGACCCAG
 TGATTTCCCCAGTCCATTTGACCCATTGACCCCTGCCAGAGAAGCCCTGGCTGGAGACCTTCCAGTAGAC
 ATGGAATTTGGAGAGGATCTGCTGGAATCTCAGACTGCCCAAGTCGAGGATGGGCTCCCCAGGTCCTGT
 CTCCATCTCTGGAGCCCTGGACCTGCTTGATACCCCTTCTGGCCTGGAGAAGGACCCTGGAGGAGTTCT
 GGATGGAGCCACTGAGCTACTGGGGCTGGGGGGCTACTCTATAAAGCCCTTCTCCCCAGAGGTGGAC
 CATGGTCTGAGGAAACCCTTGCATGGGATTCGGGGGAGCAGACCCTAGAGCCTGGACCAGGGTGTCAA
 CCCCTGAGGTGATGCCACCTGATCCAGGGGCTGGGGCTAGTCCCCTTCCCTGAGGGGCTACTAGAACC
 TTTGGCTCCAGATTCTCCAATAATCCTGGAGTCTCCTCATATTGAAGAGGAGATACCCCCCTTAGCTACA
 AGGAGAAGGGGCTCCCCTGGGCAGGAGGAGCATAACCAAGGGCAGCCACAGAGCCCCAATGCACCCC
 CTAGCCCTTCAGTGGGAGAGACTCTGGGGATGGCATCAACAGTTCTCAGAGCAAACCTGGGGTATGTAC
 CCCTACTGCACATCCTTCGTTGCCAGGAGATGGCTGACTGGGAAGGAGATTGAGAAGCCGCTGAGAGG
 GTACAGAAGAGAAGCGAGCGCGTTAGAAGAGCAGAACCCTCAAAGCCTGAGGTTGTGGACTCCACTGAGA
 GCATTCAGTGTGAGATGAGGATTCTGATGCCATGGTAGATGACCCCAATGATGAGGACTTTGTGCCATT
 CCGGCCCGCGCTCTCCTCGCATGTCCCTGCGCTCAAGTATGGCACAAGGGCTGGGCGCTTTCAATG
 GGCACCAAGATGCTTTGTGCACATTGCCGGACACCCTGCAGAAGGGGCGAGCGCCTATCAGCGCAAGG
 GGTGGCTCAGCTCTTCTGTTCTTCATCTGTCTCACTACTTACTCAAGAAGCCCTTGGGCAGAAAGAC
 CTGTACCTTCTGCAAGAAGGAGATCTGGAACACCAAGGACTCAGTTGTGGTACAGACTGGTCCAGGAGGC
 TCCTTCCATGAGTTCTGCACATCTGTCTGTCTCTCTATGAGGCCAGCAGCAGCGTCCAATCCCCC
 AGTCTGGGGATCCTGCCGATGCCACTCGCTGCAGCATATGCCAGAAGACTGGAGAGGTTCTTCATGAGGT
 CAGCAATGGCAGCGTGGTACCCGACTCTGCAGCGATTCTTGCTTCTCAAATTCGAGCCAAACAAGGGA
 CTGAAAACCAACTGTTGTGACCAGTGTGGGGCTTACATCTATGCCAGGCCTGGGGCCTTGGCCAGAGC
 TCCTGTTTCATGATGGTCAACAAAAGCGGTTTTGCAACACAACGTGCTTGGGGGCATACAAGAAGGTGG
 GCCGAGGGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001177987

Insert Size: 1623 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).

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_001177987.1](#), [NP_001171458.1](#)

RefSeq Size: 1902 bp

RefSeq ORF: 1623 bp

Locus ID: 56364

Cytogenetics: X 44.1 cM

Gene Summary: Plays a role in the regulation of cell morphology and cytoskeletal organization.
[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (4) differs in the 5' UTR and CDS which results in the use of an upstream start site, and in the 3' coding region and UTR compared to variant 1. The resulting protein (isoform 4) is shorter and has distinct N- and C-termini compared to isoform 1.