

Product datasheet for **MC216997**

Zmym3 (NM_001177986) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmym3 (NM_001177986) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zmym3
Synonyms:	9030216B10Rik; AW122925; DXS6673E1; Zfp261
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216997 representing NM_001177986
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCCAGTGATTTCCCCAGTCCATTTGACCCATTGACCCTGCCAGAGAAGCCCTGGCTGGAGACC
 TTCCAGTAGACATGGAATTTGGAGAGGATCTGCTGGAATCTCAGACTGCCCAAGTCGAGGATGGGCTCC
 CCCAGGTCGGTCTCCATCCTCTGGAGCCCTGGACCTGCTTGATACCCCTTCTGGCCTGGAGAAGGACCT
 GGAGGAGTTCTGGATGGAGCCACTGAGCTACTGGGGCTGGGGGGCTACTCTATAAAGCCCTTCTCCCC
 CAGAGGTGGACCATGGTCTGAGGGAACCTTGCATGGGATTCGGGGGAGCAGACCCTAGAGCCTGGACC
 AGGGTGTCAAACCCCTGAGGTGATGCCACCTGATCCAGGGGCTGGGGCTAGTCCCCTTCACCTGAGGGG
 CTACTAGAACCTTTGGCTCCAGATTCTCAATAATCCTGGAGTCTCCTCATATTGAAGAGGAGATACCCC
 CCTTAGCTACAAGGAGAAGGGGCTCCCTGGGCAGGAGGAGCATAACCAAGGGCAGCCACAGAGCCC
 CAATGCACCCCTAGCCCTTCAGTGGGAGAGACTCTGGGGGATGGCATCAACAGTTCTCAGAGCAAACCT
 GGGGTATGTACCCCTACTGCACATCCTTCGTTGCCAGGAGATGGCCTGACTGGGAAGGAGATTGAGAAGC
 CGCCTGAGAGGGTACAGAAGAGAAGCGAGCGCGTTAGAAGAGCAGAACCTCCAAAGCCTGAGGTTGTGGA
 CTCCACTGAGAGCATTCCAGTGTGAGATGAGGATTCTGATGCCATGGTAGATGACCCCAATGATGAGGAC
 TTTGTGCCATTCGGCCCCGGCGCTCTCCTCGCATGTCCCTGCGCTCAAGTATGGCACAAGGGCTGGGC
 GCTCTTCAATGGGCACCAAGATGTCTTGTGCACATTGCCGGACACCCTGCAGAAGGGGCAGACGGCCTA
 TCAGCGCAAGGGGTTGCCTCAGCTCTTCTGTTCTTCATCTGTCTCACTACTTACTCCAAGAAGCCCTTG
 GGCAGAAAGACCTGTACCTTCTGCAAGAAGGAGATCTGGAACCAAGGACTCAGTTGTGGTACAGACTG
 TCCAGGAGGCTCCTTCCATGAGTTCTGCACATCTGTCTGTCTCTCTCTATGAGGCCAGCAGCAGCG
 TCCAATCCCCAGTCTGGGGATCCTGCCGATGCCACTCGCTGCAGCATATGCCAGAAGACTGGAGAGGTT
 CTTCATGAGGTCAGCAATGGCAGCGTGGTACACCGACTCTGCAGCGATTCTTGCTTCTCCAATTCGAG
 CCAACAAGGGACTGAAAACCAACTGTTGTGACCACTGTGGGGCTTACATCTATGCCAGGCCCTGGGGCCT
 TGGCCAGAGCTCCTGTTTCATGATGGTCAACAAAAGCGGTTTTGCAACACAACGTCTTGGGGCATA
 AAGAAGGTGGGGCCGAGGGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001177986
Insert Size: 1494 bp
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001177986.1, NP_001171457.1</u>
RefSeq Size:	1964 bp
RefSeq ORF:	1494 bp
Locus ID:	56364
Cytogenetics:	X 44.1 cM
Gene Summary:	<p>Plays a role in the regulation of cell morphology and cytoskeletal organization. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in 5' UTR and in the 3' coding region and UTR compared to variant 1. The resulting protein (isoform 3) is shorter and has a distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>