

Product datasheet for **MR220822**

Zmym3 (NM_001177987) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR220822 representing NM_001177987
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGGAGACGGGGTGTAGCCTTGACAACCTGCTTTGGGGGGGGGTACCAGGCAGTAACCGTT
 ACTGCATAGGCGTTGCTACTAAGCCAGAACCATTTAACTGGCAAGGCCCATACCCAGCCATGGACCCAG
 TGATTTCCCCAGTCCATTTGACCCATTGACCTGCCAGAGAAGCCCTGGCTGGAGACCTTCCAGTAGAC
 ATGGAATTTGGAGAGGATCTGCTGGAATCTCAGACTGCCCAAGTCGAGGATGGGCTCCCCAGGTCCTGT
 CTCCATCTCTGGAGCCCTGGACCTGCTTGATACCCCTTCTGGCCTGGAGAAGGACCCTGGAGGAGTTCT
 GGATGGAGCCACTGAGCTACTGGGGCTGGGGGGCTACTCTATAAAGCCCTTCTCCCCAGAGGTGGAC
 CATGGTCTGAGGGAACCCTTGCATGGGATTCGGGGGAGCAGACCCTAGAGCCTGGACCAGGGTGTCAA
 CCCCTGAGGTGATGCCACCTGATCCAGGGGCTGGGGCTAGTCCCCTTACCTGAGGGGCTACTAGAACC
 TTTGGCTCCAGATTCTCCAATAATCCTGGAGTCTCCTCATATTGAAGAGGAGATACCCCCCTTAGCTACA
 AGGAGAAGGGGCTCCCCTGGGCAGGAGGAGCATAACCAAGGGCAGCCACAGAGCCCCAATGCACCCC
 CTAGCCCTTCACTGGGAGAGACTCTGGGGATGGCATCAACAGTTCTCAGAGCAAACCTGGGGTATGTAC
 CCCTACTGCACATCCTTCGTTGCCAGGAGATGGCCTGACTGGGAAGGAGATTGAGAAGCCGCTGAGAGG
 GTACAGAAGAGAAGCGAGCGCGTTAGAAGAGCAGAACCCTCAAAGCCTGAGGTTGTGGACTCCACTGAGA
 GCATTCAGTGTGAGATGAGGATTTGATGCCATGGTAGATGACCCCAATGATGAGGACTTTGTGCCATT
 CCGGCCCGCGCTCTCCTCGCATGTCCCTGCGCTCAAGTATGGCACAAGGGCTGGGCGCTCTTCAATG
 GGCACCAAGATGCTTGTGCACATTGCCGACACCCTGCAGAAGGGGAGCAGCGCCTATCAGCGCAAGG
 GGTTGCCTCAGCTCTTCTGTTCTTCTACTTGTCTCACTACTTACTCAAGAAGCCCTTGGCAGAAAGG
 CTGTACCTTCTGCAAGAAGGAGATCTGGAACCAAGGACTCAGTTGTGGTACAGACTGGTCCAGGAGGC
 TCCTTCCATGAGTTCTGCACATCTGTCTGTCTCTCTATGAGGCCAGCAGCAGCTCCAATCCCC
 AGTCTGGGGATCCTGCCGATGCCACTCGCTGCAGCATATGCCAGAAGACTGGAGAGGTTCTTCATGAGGT
 CAGCAATGGCAGCGTGGTACCCGACTCTGCAGCGATTCTTGCTTCTCAAATTCGAGCCAAACAAGGGA
 CTGAAAACCAACTGTTGTGACCACTGTGGGGCTTACATCTATGCCAGGCCTGGGGCCTTGGCCAGAGC
 TCCTGTTTCATGATGGTCAACAAAAGCGGTTTTGCAACACAACGTGCTTGGGGGCATACAAGAAGGTGG
 GCCGAGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220822 representing NM_001177987
 Red=Cloning site Green=Tags(s)

MEGDGGVALQNLWGGSPGSNRYCIGVVTKPEPFNWQGPYPAMDPSDFPSPFDPLTLPEKPLAGDLPVD
 MEFGEDLLESQTAPSRGWAPPSPSSGALDLLDTPSGLEKDPGGVLDGATELLGLGLLYKAPSPPEVD
 HGPEGLAWDSGEQTLEPGPGCTPEVMPPDPGAGASPPSPGELLEPLAPDSPIILESPIIEEIPPLAT
 RRRGSPGQEEHTQGQPQSPNAPPSPVGETLGDGINSSQSKPGVCTPTAHPSLPGDGLTGKEIEKPPER
 VQKRSEVRRAEPPKPEVVDSTESIPVSDSDAMVDDPNDEFVFPFRPRRSPRMSLRSSMAQRAGRSSM
 GTKMSCAHCRTPQLKQGTAYQRKGLPQLFCSSSCLTTYSKKPLGRKCTCFCKKEIWNKDSVVVQTGPGG
 SFHEFCTSVCLSLYEAQQQRPIPQSGDPADATRCSICQKTGEVLHEVSNGSVVHRLCSDSCFSKFRANKG
 LKTNCCDQCGAYIYARPGGLPELLFHDGQQKRFNNTTCLGAYKKVGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

ACCN:	NM_001177987
ORF Size:	1620 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001177987.1 , NP_001171458.1
RefSeq Size:	1902 bp
RefSeq ORF:	1623 bp
Locus ID:	56364
Cytogenetics:	X 44.1 cM
MW:	58.1 kDa
Gene Summary:	Plays a role in the regulation of cell morphology and cytoskeletal organization. [UniProtKB/Swiss-Prot Function]