

Product datasheet for **MG220822**

Zmym3 (NM_001177987) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmym3 (NM_001177987) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zmym3
Synonyms:	9030216B10Rik; AW122925; DXS6673E1; Zfp261
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220822 representing NM_001177987
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGAGACGGGGTGTAGCCTTGACAACCTGCTTTGGGGGGGGGTACCAGGCAGTAACCGTT
 ACTGCATAGGCGTTGCTACTAAGCCAGAACCATTTAACTGGCAAGGCCCATACCCAGCCATGGACCCAG
 TGATTTCCCCAGTCCATTTGACCCATTGACCCTGCCAGAGAAGCCCTGGCTGGAGACCTTCCAGTAGAC
 ATGGAATTTGGAGAGGATCTGCTGGAATCTCAGACTGCCCAAGTCGAGGATGGGCTCCCCAGGTCCTGT
 CTCATCTCTGGAGCCCTGGACCTGCTTGATACCCCTTCTGGCCTGGAGAAGGACCCTGGAGGAGTTCT
 GGATGGAGCCACTGAGCTACTGGGGCTGGGGGGCTACTCTATAAAGCCCTTCTCCCCAGAGGTGGAC
 CATGGTCTGAGGGAACCCTTGCATGGATTGGGGGAGCAGACCCTAGAGCCTGGACCAGGGTGTCAA
 CCCCTGAGGTGATGCCACCTGATCCAGGGGCTGGGGCTAGTCCCCTTACCTGAGGGGCTACTAGAACC
 TTTGGCTCCAGATTCTCCAATAATCCTGGAGTCTCCTCATATTGAAGAGGAGATACCCCCCTTAGCTACA
 AGGAGAAGGGGCTCCCCTGGGCAGGAGGAGCATAACCAAGGGCAGCCACAGAGCCCCAATGCACCCC
 CTAGCCCTTCACTGGGAGAGACTCTGGGGATGGCATCAACAGTTCTCAGAGCAAACCTGGGGTATGTAC
 CCCTACTGCACATCCTTCGTTGCCAGGAGATGGCCTGACTGGGAAGGAGATTGAGAAGCCGCTGAGAGG
 GTACAGAAGAGAAGCGAGCGCGTTAGAAGAGCAGAACCCTCAAAGCCTGAGGTTGTGGACTCCACTGAGA
 GCATTCAGTGTGAGATGAGGATTTGATGCCATGGTAGATGACCCCAATGATGAGGACTTTGTGCCATT
 CCGGCCCGCGCTCTCCTCGCATGTCCCTGCGCTCAAGTATGGCACAAGGGCTGGGCGCTTTCAATG
 GGCACCAAGATGCTTTGTGCACATTGCCGACACCACCTGCAGAAGGGGAGCAGCGCTATCAGCGCAAGG
 GGTGCCTCAGCTCTTCTGTTCTTCTACTTGTCTCACTACTTACTCCAAGAAGCCCTTGGCAGAAAGAC
 CTGTACCTTCTGCAAGAAGGAGATCTGGAACACCAAGGACTCAGTTGTGGTACAGACTGGTCCAGGAGGC
 TCCTTCCATGAGTTCTGCACATCTGTCTGTCTCTCTATGAGGCCAGCAGCAGCTCCAATCCCCC
 AGTCTGGGGATCCTGCCGATGCCACTCGCTGCAGCATATGCCAGAAGACTGGAGAGGTTCTTCATGAGGT
 CAGCAATGGCAGCGTGGTACCCGACTCTGCAGCGATTCTTGCTTCTCAAATTCGAGCCAAACAAGGGA
 CTGAAAACCAACTGTTGTGACCAGTGTGGGGCTTACATCTATGCCAGGCCTGGGGCCTTGGCCAGAGC
 TCCTGTTTCATGATGGTCAACAAAAGCGGTTTTGCAACACAACGTGCTTGGGGGCATACAAGAAGGTGGG
 GCCGAGGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220822 representing NM_001177987
 Red=Cloning site Green=Tags(s)

MEGDGGVALQNLWGGSPGSNRYCIGVVTKPEPFNWQGPYPAMDPSDFPSPFDPLTLPEKPLAGDLPVD
 MEFGEDLLESQTAPSRGWAPPGSPSSGALDLLDTPSGLEKDPGGVLDGATELLGLGLLYKAPSPPEVD
 HGPEGTLAWDSGEQTLPEPGCQTEVMPDPGAGASPPSPEGLLEPLAPDSPIILESPHIEEIPPLAT
 RRRGSPGQEEHTQGQPQSPNAPPSPSVGETLGDGINSSQSKPGVCTPTAHPSLPGDGLTGKEIEKPPER
 VQKRSEVRRAEPPKPEVVDSTESIPVSDSDAMVDDPNDEFVFRPRRSPRMSLRSSMAQRAGRSSM
 GTKMSCAHCRTPQLKQGTAYQRKGLPQLFCSSSLTTYSKKPLGRKCTCFCKKEIWNTKDSVVVQTGPGG
 SFHEFCTSVCLSLYEAQQRPPIQSGDPADATRCSICQKTGEVLHEVSNGSVVHRLCSDSCFSKFRANKG
 LKTNCCDQCGAYIYARPGGLPELLFHDGQQKRFNNTTCLGAYKKVGPPE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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:

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

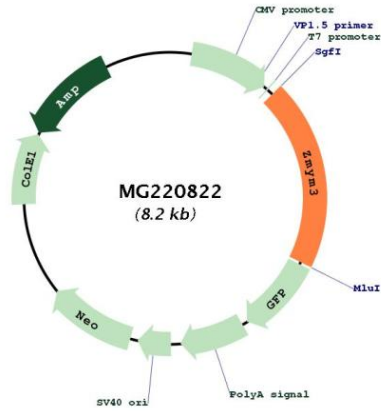
RefSeq ORF: 1623 bp

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]

Product images:



Circular map for MG220822