

Product datasheet for **MG220823**

Zmym3 (NM_001177988) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zmym3 (NM_001177988) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Zmym3
Synonyms: 9030216B10Rik; AW122925; DXS6673Ei; Zfp261
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220823 representing NM_001177988
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACCCAGTGATTTCCCCAGTCCATTTGACCCATTGACCCTGCCAGAGAAGCCCTGGCTGGAGACC
 TTCCAGTAGACATGGAATTTGGAGAGGATCTGCTGGAATCTCAGACTGCCCAAGTCGAGGATGGGCTCC
 CCCAGGTCCGTCTCCATCCTCTGGAGCCCTGGACCTGCTTGATACCCCTTCTGGCCTGGAGAAGGACCT
 GGAGGAGTTCTGGATGGAGCCACTGAGCTACTGGGGCTGGGGGGCTACTCTATAAAGCCCTTCTCCCC
 CAGAGGTGGACCATGGTCTGAGGGAACCTTGCATGGGATTCGGGGGAGCAGACCCTAGAGCCTGGACC
 AGGGTGTCAAACCCTGAGGTGATGCCACCTGATCCAGGGCTGGGGCTAGTCCCCCTTACCTGAGGGG
 CTA TAGAACCTTTGGCTCCAGATTCTCCAATAATCCTGGAGTCTCCTCATATTGAAGAGGAGATACCC
 CCTTAGCTACAAGGAGAAGGGGCTCCCCTGGGCAGGAGGAGGAGCATACCCAAGGCAGCCACAGAGCCC
 CAATGCACCCCTAGCCCTTCAAGTGGGAGAGACTCTGGGGGATGGCATCAACAGTTCTCAGAGCAAACCT
 GGGGTATGTACCCTACTGCACATCCTTCGTTGCCAGGAGATGGCCTGACTGGGAAGGAGATTGAGAAGC
 CGCCTGAGAGGGTACAGAAGAGAAGCGAGCGCTTAGAAGAGCAGAACCTCCAAGCCTGAGGTTGTGGA
 CTCCACTGAGAGCAGGAGATCTGGAACCAAGGACTCAGTTGTGGTACAGACTGGTCCAGGAGGCTCCT
 TCCATGAGTTCTGCACATCTGTCTCTCTCTCTATGAGGCCAGCAGCAGCAGTCCAATCCCCCAGTC
 TGGGGATCCTGCCGATGCCACTCGTCGAGCATATGCCAGAAGACTGGAGAGGTTCTTCATGAGGTCAGC
 AATGGCAGCGTGGTACACCGACTCTGCAGCGATTCTTGCTTCTCCAAATTCGAGCCAACAAGGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220823 representing NM_001177988
 Red=Cloning site Green=Tags(s)

MDPSDFPSPFDPLTLPEKPLAGDLPVDMEFGEDLLESQTAPSRGWAPPSPSSGALDLLDTPSGLEKDP
 GGVLGDGATELLGLGGLLYKAPSPPEVDHGPEGLAWDSGEQTLLEPGPGCQTPPEVMPDPGAGASPPSPEG
 LLEPLAPDSPIIILESPHIEEIPPLATRRRGSPGQEEHTQGQPQSPNAPPSPSVGETLGDGINSSQSKP
 GVCTPTAHPSLPGDGLTGKEIEKPPERVQKRSEVRRAEPPKPEVVDSTESRRSGTPRTQLWYRLVQEAP
 SMSSAHLVSLSMRPSSSVQSPSLGILPMPLAAAYARRLERFFMRSAMAAYTDSAAILASPENSEPTRD

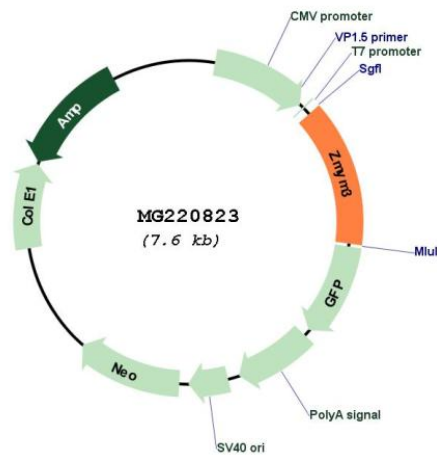
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001177988

ORF Size: 1047 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_001177988.1 , NP_001171459.1
RefSeq Size:	1516 bp
RefSeq ORF:	1050 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]