

Product datasheet for **MR220821**

Zmym3 (NM_001177986) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmym3 (NM_001177986) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR220821 representing NM_001177986
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCCAGTGATTTCCCCAGTCCATTTGACCCATTGACCCTGCCAGAGAAGCCCTGGCTGGAGACC
 TTCAGTAGACATGGAATTTGGAGAGGATCTGCTGGAATCTCAGACTGCCCAAGTCGAGGATGGGCTCC
 CCCAGGTCGCTCCATCCTCTGGAGCCCTGGACCTGCTTGATACCCCTTCTGGCCTGGAGAAGGACCCCT
 GGAGGAGTTCTGGATGGAGCCACTGAGCTACTGGGGCTGGGGGGCTACTCTATAAAGCCCTTCTCCCC
 CAGAGGTGGACCATGGTCTGAGGGAACCCCTGCATGGGATTCGGGGGAGCAGACCCTAGAGCCTGGACC
 AGGGTGTCAAACCCCTGAGGTGATGCCACCTGATCCAGGGGCTGGGGCTAGTCCCCTTACCTGAGGGG
 CTACTAGAACCTTTGGCTCCAGATTCTCAATAATCTGGAGTCTCTCATATTGAAGAGGAGATACCCC
 CCTTAGCTACAAGGAGAAGGGGCTCCCTGGGCAGGAGGAGCATAACCAAGGGCAGCCACAGAGCCC
 CAATGCACCCCTAGCCCTTCACTGGGAGAGACTCTGGGGATGGCATCAACAGTTCTCAGAGCAAACCT
 GGGGTATGTACCCCTACTGCACATCCTTCTGTTGCCAGGAGATGGCCTGACTGGGAAGGAGATTGAGAAGC
 CGCCTGAGAGGGTACAGAAGAGAAGCGAGCGCGTTAGAAGAGCAGAACCTCCAAAGCCTGAGGTTGTGGA
 CTCCACTGAGAGCATTCCAGTGTGAGATGAGGATTCTGATGCCATGGTAGATGACCCCAATGATGAGGAC
 TTTGTGCCATTCGGCCCCGGCGCTCTCCTCGCATGTCCCTGCGCTCAAGTATGGCACAAGGGCTGGGC
 GCTCTTCAATGGGCACCAAGATGTCTTGTGCACATTGCCGGACACCCTGCAGAAGGGGCAGACGGCCTA
 TCAGCGCAAGGGGTTGCCTCAGCTCTTCTGTTCTTCTCATCTGTCTCACTACTTACTCCAAGAAGCCCTTG
 GGCAGAAAGACCTGTACCTTCTGCAAGAAGGAGATCTGGAACACCAAGGACTCAGTTGTGGTACAGACTG
 TCCAGGAGGCTCCTTCCATGAGTTCTGCACATCTGTCTGTCTCTCTCTATGAGGCCAGCAGCAGCG
 TCCAATCCCCAGTCTGGGGATCCTGCCGATGCCACTCGCTGCAGCATATGCCAGAAGACTGGAGAGGTT
 CTTCATGAGGTCAGCAATGGCAGCGTGGTACACCGACTCTGCAGCGATTCTTGCTTCTCCAATTCGAG
 CCAACAAGGGACTGAAAACCAACTGTTGTGACCACTGTGGGGCTTACATCTATGCCAGGCCCTGGGGCCT
 TGGCCAGAGCTCCTGTTTCATGATGGTCAACAAAAGCGGTTTTGCAACACAACGTCTTGGGGCATA
 AAGAAGGTGGGGCCGAGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220821 representing NM_001177986
 Red=Cloning site Green=Tags(s)

MDPSDFPSPFDPLTLPEKPLAGDLPVDMFEGEDLLESQTAPSRGWAPPSPSSGALDLLDTPSGLEKDP
 GGVLGDGATELLGLGGLLYKAPSPPEVDHGPETLAWDSGEQTLPEPGQCQTPEVMPPDPGAGASPPSPEG
 LLEPLADSPPIILESPIHEEEIPLATRRRSGPQEEHTQGQPSPNAPPSPSVGETLDGINSQS
 GVCPTAHPSLPGDGLTGKEIEKPPERVQKRSEVRRAEPPKPEVVDSTESIPVSESDSAMVDDPNDED
 FVPFRPRRSPRMSLRSSMAQRAGRSSMGTKMSCAHCRTPLQKQGTAYQRKGLPQLFCSSSCLTTYSKKPL
 GRKTCTFKCKEIWNTKDSVVVQTGPGGSFHEFCTSVCLSLYEAQQQRPIPQSGDPADATRCSICQKTGEV
 LHEVSNGSVVHRLCSDSCFSKFRANKGLKTNCCDQCGAYIYARPGGLPELLFHDGQQKRFNNTTCLGAY
 KKVGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2436_a09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001177986

ORF 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](#)

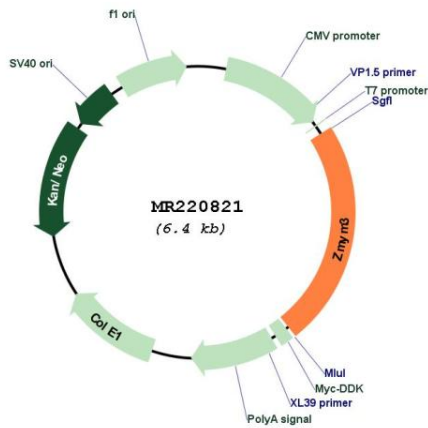
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_001177986.1, NP_001171457.1</u>
RefSeq Size:	1964 bp
RefSeq ORF:	1494 bp
Locus ID:	56364
Cytogenetics:	X 44.1 cM
MW:	53.1 kDa
Gene Summary:	Plays a role in the regulation of cell morphology and cytoskeletal organization. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220821