

## Product datasheet for **MR230726**

### Zmym5 (NM\_001253753) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zmym5 (NM_001253753) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zmym5
Synonyms:	9830124H08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230726 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAGCTCATCTCGCAGATATGGAATCATCTGGGGTCCAAGTTCCTTTAGCCGGTACATCTAGAA  
 ACACACATGTGGAAGATGATGATGTTGATTTATTGAATCAGTACAGCCTCCAATTTGTGCTCCAGCAAT  
 ACCTAATGAAAGAACTTTGTATTTGCTTCCTCAAACATGAAAAATCCACCAGGAAGTATTCCACAATT  
 TCCCTTCTTGGAGAGATTTGACTTCTCAGAAGGGAAATCTATGTGAAACAATTGTAATTGATGATGAAG  
 GGGACACAGACACAAATGGAGGGGAGGAGAAAAATCCTACCGACTTTATTGAATGGGACCGAATGGAAA  
 TAAAAGTAGTACAAAAATGTGGATTTCCCATGCCAGTCTATCAAGAAGCAAGACCAAGACTGCAGTA  
 GGACCTTTAATCCCGTAGGATCGATGTCACGGATGCGTTTCAGAATGGAAGATTTGCAGTTCATCACA  
 ATCCTGATTTCTGGATCTCCAGTCAGCATCATTTCTCGTAACCAAGCAACAAGGGGTGGATCTTT  
 ATCACCAGTGGCCTCACTTCTAAACAGATATTCCAGCCCTCGAACCAACAACCCACTAAACCAGTTAAA  
 GCACTTGTGCAAACTGCAAAAAACCTCTACAGAAGGGGACAGACAGCTTACCAGCGAAAAAGGATCAGCTC  
 ACCTCTTCTGTTCAACCCTGCCTTTCTTTCTTTCTCCATAAGCGTACTCGAAAGACACGGAATGTAAT  
 GTGTA AAAAGATTCTCCTGTGAGAACCACA ACTATTGTTCTCCAGTGGAGTCAAGCAAGTCTTACAA  
 GGATTTTATAATGCATCGCTATCTCCCTATGAAAACGAGTCTTAGGAAAGAGTTTTTACTAAGT  
 CAAGATGTATAATCTGTAATAAATTAGGAGAGGTTCCCATGAAATCAGTGTAAACAGTATAACACATAA  
 GCTGTGCAGTAATAATTGCTTTAATGAATACAGATTGACGAATGGTCTAATAATGAACTGCTGTGAACAG  
 TGTAGCAAGTATATGCCAAGAGTACTGGGCACAGCATTCTGATAACAGGTCAGCAAAAGAGATTTCTGT  
 GCCAGAATTGTGCTGACGAATATAAAGAGATAATGGAAGCAAAAACAAAACACTACTGCTTTTACAAAATAG  
 AAAAAGGAATGCTATCAGAGAAGAAAAATGAAAAACGATTACGTGAATCATCAGGTACACTTTCAGGAAAC  
 ACAGGAGACATACCCGAAAAAAGGAAAAGTCTCAGAGATAATAAAGTTCGAGCAGACTGTAGCCTAG  
 ATACATCATCAGAGGAACAAAATGTGAATTTACCTTGTCTGTGGCAGTAATATCTGATACATTTAAAGA  
 GCAACTAGGAGACAAAAATTCAGAGGAATTGGATATGTCCATTTTACCTTCTTTGGATCCAGGTTTATG  
 CCCC GAATTTTGAATATGAAACAACGTGAATTTCTTGTCAAAAACATCCACCTCAAATAAGAAATTTTA  
 ATTTTCCAAAAGATAGTGCAGGCAAGAAGTTTTCAGAAACGTATTATACCCGAATTTCCAAAATGGTGA  
 AAAGGACCAGACCCTGGCTGCTACTCAGCCTCGAAAGACTCTGTGTTTTGCCTGTATTGCAGACTC  
 TTTGGGAAGGAAAAACCAACTGAGAAATGAGAAATGGGTGCAAAGATTGGCATCATTTGTCACATCTTC  
 TTAGTAAACATGACGAAAGTGAATGCACATCAACAATAGTGTTAAGTATTCAAATTAAGTCTGACTT  
 GGAAAAATAAACCAATGAAGCTACAGAAGTGGGAAGATTGTGTGCAGCTACTGTACACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230726 protein sequence  
 Red=Cloning site Green=Tags(s)

MEHLADMESSGPTSSLAGTSRNTHVEDDDVVFIESVQPPICAPAI PNERNFVFASSKHENPPGTDSTI  
 SPSWRDLTSQGNLCETIVIDDEGDTDNGGEEKNPTDFIEWGPNGNKSSTKNVDFPIASLSRSKTKTAV  
 GPFNPGRIDVTDFAFQNGRFVHHPDWSISQSAFPRNQKQQGVDSLSPVASLPKQIFQPSNQPTKPKV  
 VTCANCKPLQKQTAYQRKGS AHLFCSTTCLSSF SHKRTRKTRNVMCKKDSVVRTTTIVPPVSSKSLQ  
 GFYNASLSPYENCQSLRKEVFTKSRCIICNKLGEVRHEISVNSITHKLCNNCFNEYRLTNGLIMNCCEQ  
 CSKYMPKSTGHSILITGQQKRFCCQNCAD EYKEIMEAKSKLLLLQNRKRNAIRENEKRLRESSGTL SGN  
 TGD IPEKKEKSSEIIKVAADC SLDTSS EEQNVNLP CSVAVISDTFKEQLGDKNSEELDMSILPSLDPGSW  
 PRILNMQRQREFLVKNPPQIRNFNFPKDSAGKKFSEYTRILPNGEKGRPWLLYSASKDSVFCLYCR L  
 FGEKGNQLRNENGCKDWHHLSHLLSKHDESEMHNNSVKYSKLSDL ENKTNEATEGGEDCVQLLYT

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001253753

**ORF Size:** 1881 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

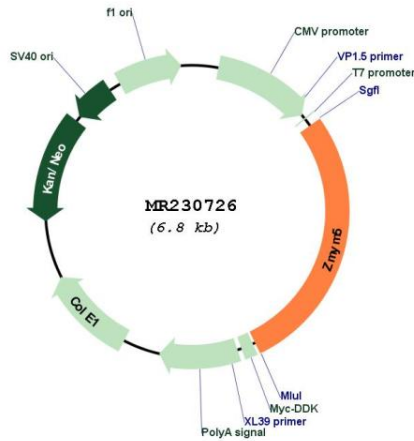
**RefSeq:** [NM\\_001253753.1](#), [NP\\_001240682.1](#)

**RefSeq Size:** 5360 bp

**RefSeq ORF:** 1884 bp

Locus ID: 219105  
 UniProt ID: [Q3U2E2](#)  
 Cytogenetics: 14 C3  
 MW: 70.1 kDa  
 Gene Summary: Functions as a transcriptional regulator.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR230726