

Product datasheet for **MG209825**

Zmym1 (BC064774) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmym1 (BC064774) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zmym1
Synonyms:	5830412B09Rik; AW209050
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG209825 representing BC064774
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAGCAAAAAATTTAGCTGTCTGGAGAGAAGCTTTTGCAACCAAGGAAGTCTGACTGGGAGAAAATGC
 TGGGAAATTTTCAGAAAGCATGAAGAAAGTGACGTGCACCTAAAGTCACTGCAATTTTGGAGGCAATACCA
 GTTTCTCGATGCTATTCCGTGTGACAATTCATCTGTTTATTCAAACAGATTGAAGGAAATAAAAAGTAC
 CTAAGGCTCATCATTTGAGAATTTTATTTCTTGAAAAACAGTGCTTGCTGTTAAAGGAAATGACCAGT
 CTGTTTACCCATGAATAAAGGCAGTTTTTTGAATTGCTAGAACTTAGAGCAAGAGATAGAGGAGAGGT
 ATTTAGCTCATGAGTTCCACGTGGACTTCTATAGCAGCAGCTTGCTCAGGAGGAGATTATTGAAATG
 ATAAAGGATGAAATGTTGCAAGACATCGTGAGTGAGATCAACGCCTCTCAGCCTTTTCAATAATCTGCG
 AGGAGATAGCTGGTAGTCCGCTGAGAGACAGCTTCCGTGTGTGTGAGGTACCCACAAAAGACGCCAAG
 TGCTGTCTTGTTAAGGAAAGGTTCTGGGGTTTGTGACTGCCGAGGAGGTGACTGGGGTCCACGTGCAT
 GGGCGGATCAAAGCTTACCTGCAGCAGGTTGGAGTTGATTTTAAATAAAATATGTGGCCAAGCCTATGATA
 GTGCCACAAAATTTACGGTAAAATTGAATGAAGTTGTAGCAGAATTCAAGAAGGAAGAGCCAAGAGCTCT
 CTATGTGCATTGTACGCCCATTTTGGAGTTAGCGGTGATTAGCTTCTGTAAGGAGGTGAAGGAGCTC
 CGCGAGGCACTACACACTCTCTGCTCTTTGTTCAACACAGTTCATGTGTCTGAAGAAATGTTGGCAAGTT
 TGCAAACCATGTGTAAGCTAAGTCTAAATAAACTTGTAAAGAACACAGTCACAGTCGTGTTGGCCAGC
 CCACGACCATTTGCTGCTGGCCGTGACGACTGCCTCCGGAGGTCGTTGAGGTGCTGGCGTCAGTGTC
 CGCCGGTGCGCAGGCACAGCTGTGGCTGCCGAGCTGGAGGACCTGTTGGCCATGTTACCAAGTTTGAAT
 TTATATTTTGTGTTGAAATTTCTTTATCGAGTACTCAGTATCACAGGGATTCTTTCTAGAGAGTTTCAAAG
 TGAAGCTGTTGACATCTTTCTTTGTTTTCAAAAATAGAAGCAATTTTGAATGTTTATCTTCTGAAAGG
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 TTGATGTTGAGAAACCTCTTTTCAAAAAAGAAGAAAAGTTCAAAGAACAGTAGATCCTGGCAACTCAGA
 GCATATGTTTTTCTACTTCAGCAGATGAACAATATAAATTTAATTTTACTACCAAGGTCTGGACACG
 GTATTAACCATTTAAAGTTATATTTTTCAGAGTTTACTATTGTTAAATGAAACAAATTTTCTAGAGCTGT
 TACTTAAGTGGAATGAGCCATTAATGAAGCAACAGCCAAGCACATCCAGGAATTTCTATAAGCTTGGTGC
 AGACATCATTTCCGAGCTCCGATTTTACCGGCAGTATGCAGGTTTCAACTTCATCGCAGAGGATGGGTCC
 TTAAGCTTCATTGACCTAGGCTCTTTGTTTATTCAGCATGCTCTCCACAATAATTTCTTGTATCACGA
 AGCTGTTGCATATTGCTTTATCTTGGCCAATTACTTCAGCAAATAATGAGAAGTCATTTTCCACGCTGTC
 TCATCTTAAACATACTTACTTCGTACCATGGGACAAGAGAACTTAGTAGCCTGGCTCTGATAGCTGTT
 GAGCAGGAACTGGTAAATAAACTGATGGAACCTGAAAGACTGGGGGAATTGTGCAAAAGTTCATTAGTC
 AAATGAAAGATACG

ACGCGTACGCGGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209825 representing BC064774
 Red=Cloning site Green=Tags(s)

MSKKFSCRREAFATQGTADWEKMLGNFRKHEESDVHLKSLQFWRQYQFLDAIPCDNSSVYSKQIEGNKKY
 LRLIIENILFLGKQCLLLKGNDQSVSPMNKGSFLELLELRARDRGEVFQLMSSHVDYSSSTLVQEEIEM
 IKDEMLQDIVSEINASSAFSIIICEEIIAGSAAERQLSVCVRYPQKTPSAVLVKERFLGFVTAEEVTGVVH
 GRIKAYLQQVGVDNFNKGQAYDSATNFTVKLNEVVAEFKKEPRALYVCHAHFLELAVISFCKEVKEL
 REALHTLCSLFNTVHVSEMLASLQTMCKLSLNKTCKKHTSQSCWPAHDHLLAVTDCLPEVVEVLASVS
 RRCAGTAVAAELEDLLAMVTKFEFIFCLKFLYRVL SITGILSREFQSETVDIFSLFSKIEAILECLSSER
 NDTYFKNIWDGADEKCKKITSKGF DVEKPSFQKRRKVQRTVDPGNSEHMFPTSADQYKFNIYYQGLDT
 VLKHLKLYFSEFDYCKMKQISELLLKWNEPLNEATAKHIEFYKLGADIPELRFYRQYAGFNFIADGGS
 LSFIDLGLSLFIQHALHNNIPCITKLLHIALSWPITSANNEKSFSTLSHLKTYLLRTMGQEKLSLALIAV
 EQELVNKLMEPERLGGIVEKFISQMKDT

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC064774

ORF Size: 1974 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: [BC064774.1](#)

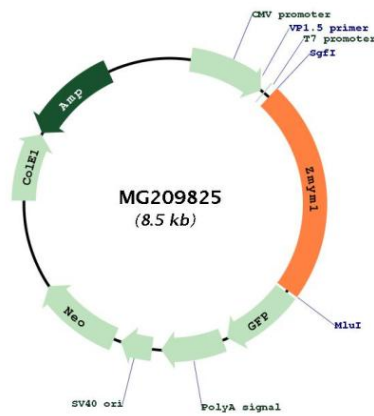
RefSeq Size: 2425 bp

RefSeq ORF: 1976 bp

Locus ID: 68310

Cytogenetics: 4 D2.2

Product images:



Circular map for MG209825