

## Product datasheet for **MG211072**

### Zmiz2 (BC060652) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zmiz2 (BC060652) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zmiz2
Synonyms:	RP23-198N14.8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG211072 representing BC060652  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACCCCATGAACCCCATGAAACCCGCCTGCCCCCTGCACCACACGGTGATGGTTTCATTTGCATATG  
 AGTCTGTGCCTTGGCAACAAAGTGCCACTCAGCCAGCTGGGTCACTGTCTGTGGTCACTACTGTGTGGG  
 AGTTGGCAACGCAACCCAGAGCCAGTGCCTGGGACAGCAGGCGTTTGTGAAGGAGGTGCTAGCAAGAGC  
 TACGTACAGCAAGGCGTGTATGGCCGAGGGAGCTACCCTGGGGATCCAGCTTCACTACTGGGTATGCAG  
 GAGGCCCTGCAGGCTGGGGCTCCCCACACATGCAGCACGGCCCTCAACTGACTTACACAAGCAGCAGC  
 TGCAGCTGCCATGGTGTCTGCAGCCACCGCAGCAGCCACAGCCACAGCCACGGTGGCTGCCCTGCAG  
 GAGAAGCAGAGCCAGGAGCTAAGTCAGTATGGAGCGATGGGGACTGGGCAGTCTTTAACAGCCAGTTTC  
 TGCAGCATGGAGTCTCGAGGACCCAGTGTGCCCTGGCATGAACCTTCAGGCATGGGAGGAATGAT  
 GGGCCCTCTGGCCTTTCTCAATGGCCATGACTCCTACCGGGCAGCAGGCATGACACCCTTATATGCA  
 GGACAGCGACTGCCTCAGCATGGGTACCCTGGGCCTCCGACAGGGGAGCCACTGCCTCGACAGGGGATCA  
 AGAGAGCCTACTCAGAGGTGTATCCTGGGCAGCAGTATCTGCAAGGAGGGCAGTATGCAGCCAACACTGC  
 CAGTATGCTCCTGGCCCTGGGACAGCCCTGGCCCTGCCTCCTCCTATGCAGGACACAGACTACCCTG  
 CAGCAGGGAAATGGCCAGTCCCTGTCTGCGCCTGGCCCAACGGGACTGCATTACAAGCCACAGAGCAGT  
 TCAACGGGCAGGGCGCCAGCTTCAACGGGGCAGCATCAGCTACAGCCAGCCTGGCTTGAAGTGGCCCTC  
 CCGCTCCATCCCTGGTTACCCAGCTCCCCTGCGGGGAAATCCACACCACCCATGACGCTAGCAGC  
 AATGTTCCCTACATGTCCCAAGCCAGGAAGTCAAGTCTCCTTTCCTGCCTGACCTCAAGCCAGGCCCTCA  
 GCTCCTTGACCCGTACCCCTCCGCAAGTGTCCATTGTGATGAGCTGCGCCTGACCTTCCAGTTCGAGA  
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 GATTCTGTCTATAAGACCCTGATGCTGAGGCTGACCTGGAGCTGCAGTTAAGTGTATCACCATGAGG  
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 GCGTGGAGACAACAAGACCTCGCACAAGCCCTTACCTGAAGCATGTGTGCCAGCCAGGTGCAACACC  
 ATCCAGATCACTGTACCGCCTGCTGCTTCCACCTTTCGTGCTGCAGCTGGTGCACCGTCCGCTCTG  
 TCCGTTCCGTGCTGCAGGCTCCTCAAGAAGCGCCTATTGCCAGCTGAACACTGCATCACCAGATAAA  
 GCGGAACCTCAGTAGCGGACCATCCCTGGCACCCTGGGCCAATGGAGAGGATGGGGTGGAGCAGACG  
 GCTATCAAGTGTCCCTGAAGTGGCCATCACCTCCGAGGATCCAGCTCCAGCCGTGGTGCAGACT  
 GTCGACATATACAGTGTCTTACCTGGAGTCACTTACAGCTCAACTGTGAGCGGGGACCTGGAGGTG  
 TCCGGTATGCAACAAGACGGCATTGCTGGAGGGCTGGAGGTGGATCAGTATATGCTGGGCATCCTGATT  
 TATATTGAGAAGTCACTACGAGGAGATCACCATTGACCCACGTGCAGCTGGAAGCCAGTGCCTGTGA  
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 TTGCAGCCCCCTCGGCCCAACCCCAAGCAGTATCCAGCCAGGGTCCAACCTCATGGGGCCTGGAA  
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 CCAACCAACACAGGACCCATCAGCGAAGTGGCTTTCAATCCTGCCTCAGGCATGATGGGGCTCCAGC  
 ATGACTGGGGCAGGGGAGGCTCAGAACCAGCTTTGGACCTGCTCCAGAACTGACCAATCCTGATGAAC  
 TGCTCTCCTACCTGGGCCACCTGACCTCCCAACAACAGCAGTGTGATGCTGCTCACTCTTCGAGAA  
 CAAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – **GTTTAA**

**Protein Sequence:** >MG211072 representing BC060652  
 Red=Cloning site Green=Tags(s)

MNPMNPMKALPPAPHGDGSFAYESVPWQQSATQPAGSLSVVTTVWGVGNATQSQCLGQQAF AEGGASKS  
 YVQQGVYGRGSYPGGSSFTTGYAGGPAGLGLPHTAARPSDFTQAAAAAAMAAAATATATATVAALQ  
 EKQSQELSQYAGMTGQSFNSQFLQHGGPRGSPVPPGMNPSGMGMMGPGSLSSMAMTPTRAAGMTPLYA  
 GQRLPQHGYPGPPQGQLPRQGIKRAYSEVYPGQQYLQGGQYAANTAQYAPGPGQPPGPASSYAGHRLPL  
 QQGMAQSLSAPGPTGLHYKPTQFNQGGASFNGGSI SYSQPGLSGPSRSIPGYSSPLPGNPTPPMTPSS  
 NVPYMSPSQEVKSPFLPDLKPGLSSLHSPSASVHCDELRLTFPVRDGVVLEPFRLQHNLAVSNHVFQLR  
 DSVYKTLMLRPDLELQFKCYHHEDRQMNTNWPASVQVSVNATPLSIERGDNKTSHKPLYLKHVCQPGRNT  
 IQITVTACCCSHLFVLQLVHRPSVRSVLQGLLKKRLLPAEHCITKIKRNFSSGTIPGTPGNGEDGVEQT  
 AIKVS LKCPITFRRIQLPARGHDCRHIQCFDLESYLQLNCERTWRCPVCNK TALLEGLEVDQYMLGILI  
 YIQNSDYEEITIDPTCSWKPVVPKPDLHIKEPDGPVLKRCRTVSPAHLMP SVMEMIAALGPGAAPFAP  
 LQPPSAPTPSDYPSQGSNFMGPGTFPESFPSATPTPNLA EFTQGPPPI SYQSDIPSSLLTPDKSTPCLP  
 GQMAPAGHLDPAHNPGPPGLHTPNLGPTPGTQLHHPNPSASRQPLGQPNTGPISELA FNPASGMMGPPS  
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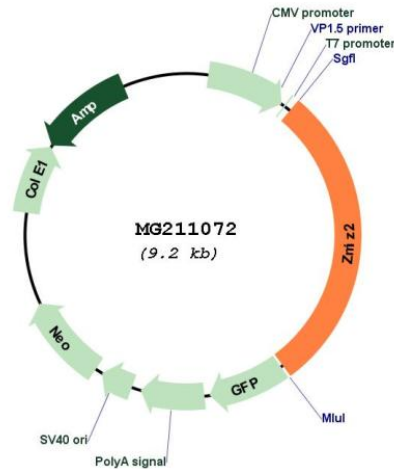
TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** BC060652

**ORF Size:** 2666 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:** [BC060652](#), [AAH60652](#)

**RefSeq Size:** 3890 bp

**RefSeq ORF:** 2666 bp

**Locus ID:** 52915

**Cytogenetics:** 11 3.95 cM

**Gene Summary:** Increases ligand-dependent transcriptional activity of AR and other nuclear hormone receptors.[UniProtKB/Swiss-Prot Function]