

## Product datasheet for **MG221634**

### Zmiz2 (NM\_028601) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zmiz2 (NM_028601) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zmiz2
Synonyms:	Zimp7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG221634 representing NM\_028601  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCCCATGAACCCCATGAAACCCGCCTGCCCCCTGCACCACACGGTGATGGTTTCATTTGCATATG  
 AGTCTGTGCCTTGGCAACAAAGTGCCACTCAGCCAGCTGGGTCACTGTCTGTGGTCACTACTGTGTGGG  
 AGTTGGCAACGCAACCCAGAGCCAGGTTTTAGGGAACCCCATGGGCCCTGCAGGAAGCCCCCTGGTGGT  
 TCCATGATGCCTGGTGTGGCAGGTGGCAGCTCTGCCTTGACCTCCCCGAGTGCCTGGGACAGCAGGCGT  
 TTGCTGAAGGAGGTGCTAGCAAGAGCTACGTACAGCAAGGCGTGTATGGCCGAGGGAGCTACCCTGGGGG  
 ATCCAGCTTCACTACTGGGTATGCAGGAGGCCCTGCAGGCCTGGGGCTCCCCACACATGCAGCACGGCCC  
 TCAACTGACTTCACACAAGCAGCAGCTGCAGCTGCCATGGCTGCTGCTGCAGCCACCGGACAGCCACAG  
 CCACAGCCACGGTGGCTGCCCTGCAGGAGAAGCAGAGCCAGGAGCTAAGTCAGTATGGAGCGATGGGGAC  
 TGGGCAGTCTTTAACAGCCAGTTCTGCAGCATGGAGTCTCGAGGACCCAGTGTGCCCCCTGGCATG  
 AACCCCTCAGGCATGGGAGGAATGATGGGCCCTCTGGCCTTTCTTCAATGGCCATGACTCCTACCCGGG  
 CAGCAGGCATGACACCCTTATATGCAGGACAGCGACTGCCTCAGCATGGGTACCCCTGGGCCCTCCGACGG  
 GCAGCCACTGCCTCGACAGGGGATCAAGAGAGCCCTACTCAGAGGTGTATCCTGGGCAGCAGTATCTGCAA  
 GGAGGCCAGTATGCAGCCAACACTGCCAGTATGCTCCTGGCCCTGGGCAGCCCCCTGGCCCTGCCTCCT  
 CCTATGCAGGACACAGACTACCCTGCAGCAGGGAATGGCCAGTCCCTGTCTGCGCCTGGCCCCACGGG  
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 AGCCAGCCTGGCTTGTAGTGGGCCCTCCCGCTCCATCCCTGGTTACCCAGCTCCCACCTGCCGGGAATC  
 CCACACCACCCATGACGCCTAGCAGCAATGTTCCCTACATGTCCCAAGCCAGGAAGTCAAGTCTCCTTT  
 CCTGCCTGACCTCAAGCCAGGCCTCAGCTCCTTGCAACCGTCACCCCTCCGCAAGTGTCCATTGTGATGAG  
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 GCAGTTTAAAGTGCTATCACCATGAGGACCAGGAGATGAACACCAACTGGCCAGCATCTGTGCAGGTGAGC  
 GTCAATGCCACACCCCTCAGCATTGAGCGTGGAGACAACAAGACCTCGCACAAAGCCCTCTACCTGAAGC  
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 GCTGCAGCTGGTGCACCGTCCGCTGTCCGTTCGGTGTGCAGGGCCTCCTCAAGAAGCGCCTATTGCCA  
 GCTGAACACTGCATCACCAAGATAAAGCGGAATTCAGTAGCGGCACCATCCCTGGCACCCCTGGGCCCA  
 ATGGAGAGGATGGGGTGGAGCAGACGGCTATCAAGGTGTCCCTGAAGTGCCCATCACCTTCCGAGGAT  
 CCAGCTCCAGCCCGTGGTACGACTGTGCAGATATACAGTGCTTTGACCTGGAGTCATACTTACAGCTC  
 AACTGTGAGCGGGGGACCTGGAGGTGTCCGGTATGCAACAAGACGGCATTGCTGGAGGGCCTGGAGGTGG  
 ATCAGTATATGCTGGGCATCCTGATTTATATTCAGAACTCAGACTACGAGGAGATCACCAATTGACCCAC  
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 GGGTTCCAACCTCATGGGGCCTGGAATTTCCAGAACTCTTCCATCTGCTACACCCACCCACCCAAAC  
 CTTGCTGAGTTACCCAGGGGCCACCCCAATCTCCTACCAGTCTGACATTCCCAGCAGCCTCCTGACTC  
 CAGACAAGTCTACTCCTTGCCTCCAGGCCAGATGGCACCAGCAGGCCACCTGGACCCAGCCATATCC  
 TGGACCACCAGGACTGCACACTCCAACTCGGGCCACCCAGGCACTCAGCTACACCATCCAAACCTT  
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 CCTCAGGCATGATGGGGCTCCAGCATGACTGGGCAGGGGAGGCCTCAGAACCAGCTTTGGACCTGCT  
 CCCAGAAGTACCAATCCTGATGAAGTCTCTCCTACCTGGGCCACCTGACCTCCCAACAAACAGCAGT  
 GATGATCTGCTCTCACTTTCGAGAACAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221634 representing NM\_028601  
 Red=Cloning site Green=Tags(s)

MNPMNPMKPALPPAPHDGGSFAYESVWPQQSATQPAGSLSVVTTVWGVGNATQSQVLGNPMGPAGSPPGG  
 SMMPGVAGSSALTSPQCLGQQAFAEGGASKSYVQQGVYGRGSYPGGSSFTTGYAGGPAGLGLPHTAARP  
 STDFTQAAAAAATAATATATATVAALQEKQSQELSOYQAMGTGQSFNSQFLQHGPPRGPSVPPGM  
 NPSSGMMGMPGSLSSMAMTPTRAAGMTPLYAGQRLPQHGYGPPQGPQLPRQGIKRAYSEVYPGQYLQ  
 GGQYAANTAQYAPGPGQPPGPASSYAGHRLPLQQGMAQSLSAPGPTGLHYKPTQFNQGGASFNGGSI  
 SQPGLSGPSRSIPGYSSPLPGNPTPPMTPSSNVPYMSPSQEVKSPFLPDLKPLGSSLHSPSASVHCDE  
 LRLTFPVRDGVLEPFRLQHNLAVSNHVFQLRDSVYKTLMLRPDLELQFKCYHHEDRQMNTNWPASVQVS  
 VNATPLSIERGDNKTSKPLYLKHVCQGRNTIQTIVTACCCSHLFVLQLVHRPSVRSVLQGLLKKRLLP  
 AEHCITIKRNFSSGTIPGTPGPNGEDGVEQTAIKVSLKCPITFRRIQLPARGHDCRHIQCDFLESYLQL  
 NCEGRTWRCPVCNKTALLEGLEVDQYMLGILIIYIQNSDYEEITIDPTCSWKPVVPKDLHIKEPDGPVL  
 KRCRTVSPAHLMPVMEIAALGGAAPFAPLQPPSAPTPSDYPSQGSNFMGPGTFPEFSPSATPTTPN  
 LAEFTQGPPIISYQSDIPSSLLTPDKSTPCLPGQMAPAGHLDPAHNPGPPGLHTPNLGPPTGTQLHHPNP  
 SPASRQLGQPNTGPISELAFNPAAGMMGPPSMTGAGEASEPALDLLPELTPNDELLELQGLGPPDLPTNSS  
 DLLLSLFENN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

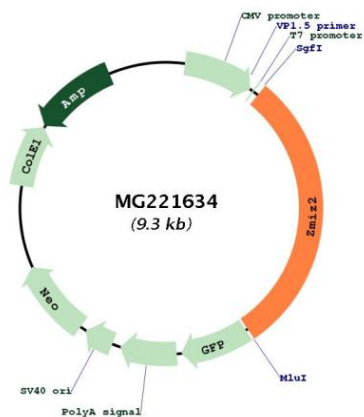
Cloning Scheme:



ACCN: NM\_028601

<b>ORF Size:</b>	2760 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028601.3</a>
<b>RefSeq Size:</b>	4203 bp
<b>RefSeq ORF:</b>	2763 bp
<b>Locus ID:</b>	52915
<b>UniProt ID:</b>	<a href="#">Q8CIE2</a>
<b>Cytogenetics:</b>	11 3.95 cM
<b>Gene Summary:</b>	Increases ligand-dependent transcriptional activity of AR and other nuclear hormone receptors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG221634