

Product datasheet for **MG211570**

Zmiz1 (BC058646) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmiz1 (BC058646) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zmiz1
Synonyms:	BC065120; E330020C23; ENSMUSG00000072684; Gm10397; I920194n01; Rai17; Zimp10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211570 representing BC058646 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATTCATGGACAGGCACATCCAGCAGACCAATGACCGTCTGCAGTGCATCAAGCAGCACTTACAGA
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TACAGCCAAGGGAGCGTCAACAGGCCTCCCAGGCCGGTTCCTGTGGCGAATTACCCCCACTCACCTGTTCCAGGGAACCCCACTCCCCCATGACGCCGGGAGCAGCATACCTCCATCTGTCCCCCAGCCAAGATGTCAAACCACCTTTCCACCTGATATCAAGCCAAATATGAGTGCTCTGCCACCACCCCAAGCAACCAATGACGAGCTACGGCTCACATTCGCCGTGCGGGATGGCGTGGTCTGGAGCCCTCCGCCTGGAGCACAACCTTGCCGTGAGCAACCACGTGTTCCACCTGCGGCCACGGTTCATCAGACGCTGATGTGGAGGTGAGACCTGGAGTGCAGTTCAAGTGCTACCACCATGAAGATCGACAGATGAACACCAACTGGCCAGCCTCGTTCAGTGCAGCTCAACGCCACACCCCTCACGATCGAGCGGGGAGACAACAAGACCTCCCAAGCCCTGCACC TCAAGCATGTATGCCAGCCTGGCCGGAACACCATCCAGATCACTGTACCAGCCTGCTGTGCCACCTCTTTGTGCTGCAGCTGGTACACCGGCCCTCTGTGCGCTCCGTGCTGCAGGGCCTCCTCAAGAAGCGCCTA CTGCCCCGCTGAGCACTGCATCACGAAAATCAAGCGGAATTCAGCAGTGTGGCTGCCTCCTCGGGCAACA CAACTCTCAATGGGGAGGATGGCGTGGAGCAGACCCCATCAAGGTGTCTCTGAAGTGCCCCATCACATT CCGGGCATAACAGCTGCCTGCTCGAGGCCACGATTGCAAGCATGTGCAGTGTCTTACCTGGAGTCATAC CTCAACTGAATTGTGAGCGAGGACCTGGAGGTGCCGTGTGCAATAAACTGCTCTGCTCGAGGGTC TGAAGTGGATCAGTACATGTGGGGATCCTGAACGCCATCCAACACTCCGAGTTTGAAGAGGTCCCAT TGACCCACAGTGCAGCTGGCGGCCAGTACCCATCAAGTACAGACCTCCACATCAAGGATGACCCCGATGGC ATCCCCTCAAAGCGGTTCAAACCATGAGCCCCAGCCAGATGATCATGCCAATGTCATGGAGATGATCG CCGCTCTGGGCCCTGGCCGTCTCCCTACCCCTCCCACCTCCTCTGGGGGACCCAGCTCCAACGACTA CAGCAGCAAGGAAACAACCTACCAGGTCATGGCAACTTTGACTTCCCCCATGGGAATCCCGAGGGGACA TCCATGAACGACTTATGCACGGTCCCCCAGCTCTCGACCCACCCGACATGCCCAACAACATGGCCG CCCTCGAGAAACCCCTCAGTACCCCATGCAGGAAACTATGCCCCACGCTGGCAGTTCTGACCAGCCCCA TCCCTCCATAACAAGTTTGCACGTACCACACCCAGCAGCCAGGCAGGGCCTCCATTACATCACAGT GGGGCTCCTCCTTCCAGCCTCCCCGGCAGCCACCACAGGCCGCTCCCGCAACCATCCACACAGCG ACCTGACCTTTAACCCCTCCTCAGCCTTAGAGGGTCAGGCCGGAGCACAGGGAGCATCCGACATGCCGGA ACCTTCACTGGATCTACTGCCGGAACCTCAAACCCGGATGAGCTTCTTCTACCTGGACCCCCCGAC CTTCAGCAATAGCAACGATGACCTCCTGTCTCTTTGAGAACAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG211570 representing BC058646

Red=Cloning site Green=Tags(s)

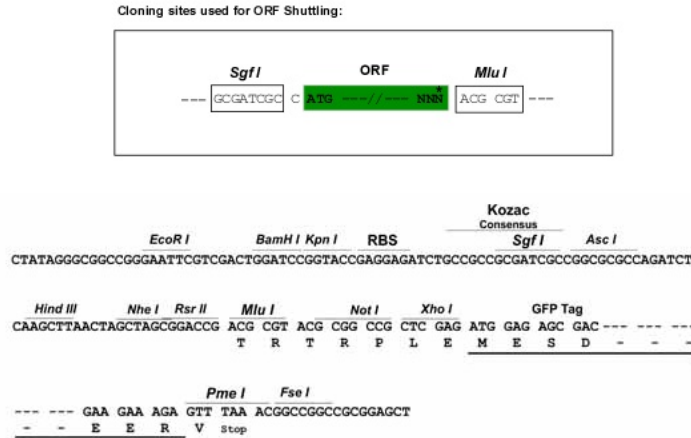
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TRTRPLE – GFP Tag – V

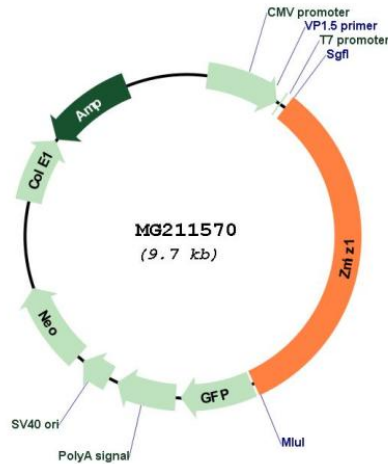
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC058646

ORF Size: 3198 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:	<ol style="list-style-type: none">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>BC058646.1</u>
RefSeq Size:	5403 bp
RefSeq ORF:	3200 bp
Locus ID:	328365
Cytogenetics:	14 A3
Gene Summary:	Acts as transcriptional coactivator. Increases ligand-dependent transcriptional activity of AR and promotes AR sumoylation. The stimulation of AR activity is dependent upon sumoylation (By similarity). Involved in transcriptional activation of a subset of NOTCH1 target genes including MYC. Involved in thymocyte and T cell development (PubMed:26522984). [UniProtKB/Swiss-Prot Function]