

## Product datasheet for **MC223442**

### Zmiz1 (NM\_183208) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zmiz1 (NM_183208) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zmiz1
Synonyms:	BC065120; E330020C23; ENSMUSG00000072684; Gm10397; I920194n01; Rai17; Zimp10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223442 representing NM_183208 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAATTCTATGGACAGGCACATCCAGCAGACCAATGACCGTCTGCGAGTGCATCAAGCAGCACTTACAGA  
ACCCCGCCAACTCCACAATGCTGCTACAGAGCTGCTGGATTGGTGTGGAGACCTCGAGCCTTCCAGAG  
GCCCTTTGAGCAGAGCCTCATGGGCTGCCTGACGGTTGTCAGCCGTGTGGCTGCCAACAAGGGTTTGAC  
CTGGACCTGGGCTACAGACTCTTGGCTGTGTGCGCCGAAATCGAGACAAGTTACACCCCAAGTCTGCTG  
CCCTGCTGTCCTCCTGGTGTGAAGAAGTGGCCGCTGCTGCTGTCGACATCAGAAGAGCCGCCAGAA  
CGACCCCTGGGAACTGCCATGCAGCCCCCTCAGCTCCATGAGCTCCATGAAACCCACTCTGTGCG  
CACAGTGATGGGTCAATTCCTTATGACTCTGTCCTTGGCAGCAGAACACCAATCAGCCTCCCGGCTCCC  
TCTCCGTGGTCACCACGGTGTGGGGAGTGACCAACACATCCAGAGTCAGGTCCCGGGAACCCATGGC  
CAATGCCAACAACCCTATGAATCCAGGTGGCAACCCCATGGCATCAGGCATGAGCACCAGCAACCCCGGC  
ATCAACTCCCACAGTTCGACGGCCACCTGGTACCCTGGTAGCGGGGCTTTGGGGCCAGTTACCTGGGGG  
TCCTAGTCCCGCAGCAGGCATGGGCATCCCTCCACATACTCGGCCCTCTGCTGACTTACCCAGCCAGCG  
GCCGCTGCTGCAGCAGCTGCAGTAGCAGCCGCGCTGCCACAGCCACAGCCACAGCCACAGCTACAGTGG  
CAGCCTTGAAGAGACACAGAACAAGGATATAAACAGTATGGACCGGTGTGTTCTCTTTCCAGATGGG  
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AGCCTGAACCTGCCGCATGGCAGCTGGCATGACACCCTCGGGCATGAGCGGCCCTCCATGGGCATGA  
ACCAGCCCGACCCCGCATCAGCCCTTTGGCACACCGGGCAAAGGATGCCCCAGCAGACCTACCC  
AGGCCCCCGCCAGTCCCTTCTATTAGAGCATAAAGAGGCCATACCCGGGAGAGCCCAACTATGGA  
AACCAGCAATATGGACCAACAGCCAGTCCCCACCCAGCCAGGCCAGTACCCTACCCCTAACCCCCAA  
GGCCACTCACATCTCCAACTACCTGGACAAAGGATGCCGAGCCAAACCAGCACCAGCAGTACCCACC  
CCCCACAGTCAACATGGGGCAGTATTACAAGCCAGAACAGTTTAAATGGACAGAACAACACCTTCTCTCC  
GGAAGCAGCTACAGCAGCTACAGCCAAGGGAGCGTCAACAGGCCCTCCAGGCCGTTCTGTGGCAATT



ACCCCCACTCACCTGTTCCAGGGAACCCCACTCCCCCATGACGCCCGGGAGCAGCATACCTCCCTATCT  
 GTCCCCAGCCAAGATGTCAAACCACCTTTCCACCTGATATCAAGCCAAATATGAGTGCTCGCCACCA  
 CCCCAGCCAACCACAATGACGAGCTACGGCTCACATTCCTCGTGGGATGGCGTGGTTCTGGAGCCCT  
 TCCGCCTGGAGCACAACCTTGCCGTGAGCAACCACGTGTTCCACCTGCGGCCACGGTTCATCAGACGCT  
 GATGTGGAGGTCAGACCTGGAGCTGCAGTTCAGTGCTACCACCATGAAGATCGACAGATGAACACCAAC  
 TGGCCAGCCTCGGTTCAAGTCAGCGTCAACGCCACACCCCTCACGATCGAGCGGGGAGACAACAAGACCT  
 CCCACAAGCCCTGCACCTCAAGCATGTATGCCAGCCTGGCCGGAACACCATCCAGATCACTGTCAACGC  
 CTGCTGCTGTTCCACCTCTTTGTGCTGACGCTGGTACACCGCCCTCTGTGCGCTCCGTGCTGACGGC  
 CTCTCAAGAAGCGCCTACTGCCCGCTGAGCACTGCATCACGAAAATCAAGCGGAATTTACGAGTGTGG  
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 GAAGTGCCCCATCACATTCGGCGCATACAGCTGCCTGCTCGAGGCCACGATTGCAAGCATGTGCAGTGC  
 TTTGACCTGGAGTCATACCTCCAACCTGAATTGTGAGCGAGGGACCTGGAGGTGTCCCGTGTGCAATAAAA  
 CTGCTCTGCTCGAGGGTCTGGAAGTGGATCAGTACATGTGGGGATCCTGAACGCCATCCAACACTCCGA  
 GTTTGAAGAGGTCACCATTGACCCACGTGCAGCTGGCGGCCAGTACCCATCAAGTCAGACCTCCACATC  
 AAGGATGACCCCGATGGCATCCCTCAAAGCGGTTCAAACCATGAGCCCGAGCCAGATGATCATGCCCA  
 ATGTCATGGAGATGATCGCCGCTCTGGCCCTGGCCCGTCTCCCTACCCCTCCACCTCCTCTGGGGG  
 CACCAGCTCCAACGACTACAGCAGCCAAGGAAACAACCTACCAGGGTTCATGGCAACTTTGACTTCCCCAT  
 GGGAAATCCCGGAGGGACATCCATGAACGACTTCATGCACGGTCCCCCAGCTCTCGCACCCACCGGACA  
 TGCCCAACAACATGGCCGCCCTCGAAGAACCCCTCAGTACCCCATGCAGGAAATATGCCCCACGCTGG  
 CAGTTCTGACCAGCCCCATCCCTCCATACAACAAGTTTGCACGTACCACACCCAGCAGCCAGGCGGG  
 CCTCCATTACATCACAGTGGGGCTCCTCCTCTCCCAGCCTCCCGGCAGCCACCACAGGCCGCTCCCG  
 GCAACCATCCACACAGCGACCTGACCTTAACCCCTCCTCAGCCTTAGAGGGTCAGGCCGGAGCAGAGGG  
 AGCATCCGACATGCCGGAACCTTCACTGGATCTACTGCCGGAACTCACAAACCCGGATGAGCTTCTTTCC  
 TACCTGGACCCCCCGACCTTCAAGCAATAGCAACGATGACCTCCTGTCTCTTTGAGAACAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_183208
- Insert Size:** 3219 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:** [NM\\_183208.4](#), [NP\\_899031.2](#)
- RefSeq Size:** 7534 bp

RefSeq ORF: 3219 bp

Locus ID: 328365

UniProt ID: Q6P1E1

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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).