

Product datasheet for **MC223141**

Zmiz1 (BC058646) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmiz1 (BC058646) 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:	>BC058646 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATTCTATGGACAGGCACATCCAGCAGACCAATGACCGTCTGCAGTGCATCAAGCAGCACTTACAGA
ACCCCGCCAACTCCACAATGCTGCTACAGAGCTGCTGGATTGGTGTGGAGACCTCGAGCCTTCCAGAG
GCCCTTTGAGCAGAGCCTCATGGGCTGCCTGACGGTTGTCAGCCGTGTGGCTGCCAACAAGGGTTTGAC
CTGGACCTGGGCTACAGACTCTTGGCTGTGTGCGCCGAAATCGAGACAAGTTACACCCCAAGTCTGCTG
CCCTGCTGTCCTCCTGGTGTGAAGAACTTGGCCGCTGCTGCTGCTGCGACATCAGAAGAGCCGCCAGAA
CGACCCCTGGGAACTGCCATGCAGCCCCCTCAGCTCCATGAGCTCCATGAAACCCACTCTGTGCG
CACAGTGATGGTCAATTCCTTATGACTCTGTCCTTGGCAGCAGAACACCAATCAGCCTCCCGGCTCCC
TCTCCGTGGTACCACGGTGTGGGGAGTGACCAACACATCCCAGAGTCAGGTCCCGGGAACCTATGGC
CAATGCCAACAACCCATGAATCCAGGTGGCAACCCCATGGCATCAGGCATGAGCACCAGCAACCCCGGC
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TCCAGCCCAACATGTACGGCCGACCTGGTACCCTCCACATACTCGGCCCTCTGCTGACTTCACCCAGCCAGCG
GCCGCTGCTGCAGCAGCTGCAGTAGCAGCCGCCGCTGCCACAGCCACAGCCACAGCCACAGCTACAGTGG
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CCTTCTATTAGAGCATAAAGAGGCCATACCCGGGAGAGCCAACTATGGAAACCAGCAATATGGACCA
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TACAGCCAAGGGAGCGTCAACAGGCCTCCAGGCCGTTCTGTGGCGAATTACCCCACTCACCTGTTCC



CAGGGAACCCCACTCCCCCATGACGCCGGGAGCAGCATACCTCCCTATCTGTCCCCCAGCCAAGATGT
 CAAACCACCTTTCCACCTGATATCAAGCCAAATATGAGTGCTCTGCCACCACCCCAAGCAACCACAAT
 GACGAGCTACGGCTCACATTCGCCGTGCGGGATGGCGTGGTTCTGGAGCCCTCCGCCTGGAGCACAACC
 TTGCCGTGAGCAACCACGTGTTCCACCTGCGGCCACGGTTCATCAGACGCTGATGTGGAGGTGAGACCT
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 GTCAGCGTCAACGCCACACCCCTCAGATCGAGCGGGGAGACAACAAGACCTCCCAAGCCCTGCACC
 TCAAGCATGTATGCCAGCCTGGCCGGAACACCATCCAGATCACTGTCACCGCCTGCTGTTCCACCT
 CTTTGTGCTGCAGCTGGTACACCGCCCTCTGTGCGCTCCGTGCTGCAGGGCCTCCTCAAGAAGCGCCTA
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 CTCCAAGTGAATTGTGAGCGAGGACCTGGAGGTGTCCCGTGTGCAATAAAACTGCTGCTCGAGGGTC
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 ATCCCTCAAAGCGGTTCAAACCATGAGCCCCAGCCAGATGATCATGCCAATGTCATGGAGATGATCG
 CGCTCTGGGCCCTGGCCGCTCCTACCCCTCCACCTCCTCCTGGGGCACCAGCTCCAACGACTA
 CAGCAGCAAGGAAACAACCTACCAGGGTATGGCAACTTTGACTTCCCCCATGGGAATCCCGGAGGGACA
 TCCATGAACGACTTATGCACGGTCCCCCAGCTCTCGACCCACCGGACATGCCAACAAATGGCCG
 CCCTCGAGAAACCCCTCAGTACCCCATGCAGGAAACTATGCCCCACGCTGGCAGTTCTGACCAGCCCCA
 TCCCTCCATACAACAAGTTTGCACGTACCACACCCAGCAGCCAGGAGGCGCTCCATTACATCACAGT
 GGGGCTCCTCCTTCCAGCCTCCCGGCAGCCACCACAGGCCGCTCCCGCAACCATCCACACAGCG
 ACCTGACCTTTAACCCCTCCTCAGCCTTAGAGGGTTCAGGCCGAGCACAGGGAGCATCCGACATGCCGA
 ACCTTCACTGGATCTACTGCCGGAACCTCAAAACCCGGATGAGCTTTTCTACCTGGACCCCCCGAC
 CTTCCAAGCAATAGCAACGATGACCTCCTGTCTCTCTTTGAGAACAACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** BC058646
- Insert Size:** 3201 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:** [BC058646](#), [AAH58646](#)
- 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]