

## Product datasheet for RN210466

### Zmiz1 (NM\_001108393) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Zmiz1 (NM\_001108393) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Zmiz1  
 Synonyms: Rai17  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN210466 representing NM\_001108393  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAATTCATGGACAGGCACATCCAGCAGACCAATGACCGTCTGCAGTGCATCAAGCAGCACTTACAGA  
 ACCCCGCCAACTCCACAATGCTGCTACAGAGCTGCTGGATTGGTGTGGAGACCTCGAGCCTTTCAGCG  
 GCCCTTTGAGCAGAGCCTCATGGGCTGCCTGACGTTGTCAGCCGTGTGGCTGCCAGCAAGGGTTTGAC  
 CTGGACCTGGGTACAGACTCTTGGCCGTGTGTCTGCAAATCGAGACAAGTTACACCCCAAGTCTGCTG  
 CCCTGCTGTCCTCCTGGTGTGAAGAAGTGGCCGCTGCTGCTGCTTCGACATCAGAAGAGCCGCCAGAA  
 CGACCCCTGGGAACTCCCATGCAGCCCCCTCAACTCCATGAGCTCCATGAAACCACTCTGTGCG  
 CACAGTATGGGTCAATTCCTTATGACTCTGTCCTTGGCAGCAGAACACCAATCAGCCTCCTGGCTCCC  
 TCTCCGTGGTACCACGGTGTGGGGAGTGACCAACTTCCCAGAGTCAAGTTCTCGGGAACCTATGGC  
 CAATGCCAGCAACCCTATGAATCCAGGTGGCAACCCATGGCATCGGGCATGAGCACCAGCAACCCCGGC  
 CTCAACTCCCCACAATTTGCAGGGCAACAGCAACAGTTCTCCACAAAGCTGGCCCTGCACAGCCCTATA  
 TCCAGCCCAACATGTACGGCCGGCCGGTACCCTGGTAGCGGGGGCTTCGGAGCCAGTACCCTGGGGG  
 TCCTAGTGCCCTGCAGGCATGGGCATCCCTCCACATACCCGGCCCTCTGCTGACTTCACCCAGCCAGCT  
 GCTGCTGCTGCAGCAGCTGCAGTAGCAGCAGCAGCCGCCACAGCCACAGCCACAGCCACAGCTACAGTGG  
 CAGCCTTGCAAGAGACACAGAATAAGGATATAAACAGTATGGACCGGTGTGTTCTCTTTCCAGATGGG  
 TCCACCCAGGCGTATAACAGCCAATTCATGAACCAACCCGGCCCTCGGGGGCTGCCTCCATGGGGGGC  
 AGCATGAACCTGCCAGCATGGCAGCTGGCATGACACCCTCGGGCATGAGCGGCCCTCCATGGGCATGA  
 ACCAGCCCGACCGCTGGCATCAGCCCTTTGGCACACAGGGCAAAGGATGCCCCAGCAGACCTACCC  
 AGGCCCCGACCCAGTCCCTTCTATTACAGCATAAAGAGGTCATACCCGGGAGAGCCCAACTATGGA  
 AACCAGCAATATGGACCAACAGCCAGTCCCCACCCAGCCAGGCCAGTACCCACCCCTAATCCCCAA  
 GGCCACTCACATCTCCAACTACCCGGCAAAGGATGCCGAGCCAACCCAGCACTGGGCAGTACCACC  
 CCCCACAGTCAACATGGGGCAGTATTACAAGCCAGAACAGTTTAAACGGACAGAACAACACTTTCTCTCT  
 GGAAGCAGCTACAGCAGCTACAGCCAAGGGAGCGTCAACAGGCCCTCTAGGCCGGTTCTGTGGCAATT



ACCCCACTCGCCGTTCCAGGGAACCCACACCCCATGACTCCCGGAGCAGCATACCTCCCTATCT  
 GTCCCCAGCCAAGATGTCAAGCCACCTTTCCACCTGATATCAAGCCAAATATGAGCGCTCGCCACCA  
 CCCCAGCCAACCACAATGATGAGCTACGGCTCACATTCCTCGTGGGATGGCGTGGTTCTGGAGCCCT  
 TCCGCCTGGAGCACAACCTGGCTGTGAGCAACCACGTGTTCCACCTGCGGCCACGGTTCACCAGACGCT  
 GATGTGGAGGTCAGACCTGGAGCTGACGTTCAAGTGCTACCATCATGAGGATCGGCAGATGAACACCAAC  
 TGGCCAGCTTCAGTGCAGGTGACGCTCAACGCCACACCCCTCACAAATCGAGCGGGGACAACAAGACCT  
 CCCACAAGCCCTGCACCTCAAGCATGTATGCCAGCCTGGCCGGAACACCATCCAGATCACCGTTACCGC  
 CTGCTGCTGTTCCACCTCTTCGTGCTGACGCTGGTCCACAGACCTCTGTGCGCTCTGTGCTGACGGC  
 CTCTCAAGAAGCGCCTATTGCCGCTGAGCACTGCATTACAAAAATCAAGCGGAATTTACGAGTGTGG  
 CCGCTCTCGGGCAACACAACCCTCAACGGTGGAGTGGCGTGGAGCAGACAGCCATCAAGGTGTCTCT  
 GAAGTGCCCCATCACATTCGGCGCATACAGTTGCCTGCTCGAGGCCACGACTGCAAGCATGTGACGTC  
 TTTGACCTGGAGTCATACCTCCAATGAATTGTGAGCGAGGGACCTGGCGGTGTCCCGTGTGCAATAAAA  
 CTGCTCTGCTCGAGGGTCTGGAGGTGGATCAGTACATGTGGGGATCCTGAATGCCATCCAACACTCCGA  
 GTTTGAAGAGGTACCATCGACCCCACTGACGCTGGCGCCAGTACCCATCAAGTCAGACCTCCATATC  
 AAGGATGACCCTGATGGCATCCCTCAAAGCGGTTCAAACCATGAGCCCAAGCCAGATGATCATGCCCA  
 ATGTCATGGAGATGATCGCCGCTCTGGCCCTGGCCCATCTCCCTACCCCTCCACCTCTCTGGGGG  
 CACCAGCTCCAACGACTACAGCAGCCAAGGAAGCAACTACCAGGGTTCATGGCAACTTTGACTTTCCCAT  
 GGGAAATCCCGGAGGGACATCCATGAACGACTTCATGCATGGTCCCCCAGCTCTCCACCCACCGGACA  
 TGCCCAACAACATGGCCGCCCTCGAGAAACCCCTCAGTACCCCATGCAGGAAATATGCCCCACGCTGG  
 CAGTTCTGACCAGCCCCATCCCTCCATACAACAAGTTTGCACGTACCACACCCCAAGCAGCCAGGAGGG  
 CCTCCATTACATCACAGTGGGGCTCCTCCTCTCCAGCCTCCCGGCAGCCACCACAGGCCGCTCCCA  
 GCAACCATCCACACAGCAGCTGACCTTAACCCCTCCTCAGCCTTAGAGGGTCAAGCCGGAGCAGAGGG  
 AGCATCCGACATGCCGGAACCTTCACTGGATCTACTGCCGGAACACAAATCCCGATGAGCTCTCTCC  
 TACCTGGATCCCCCGACCTTCAAGCAATAGCAACGATGACCTCCTGTCTCTTTGAGAACAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001108393

**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\\_001108393.1](#), [NP\\_001101863.1](#)

**RefSeq Size:**

7543 bp

RefSeq ORF: 3219 bp  
Locus ID: 361103  
Cytogenetics: 16p16