

Product datasheet for **RR217326**

Zmiz2 (NM_001100507) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmiz2 (NM_001100507) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zmiz2
Synonyms:	RGD1309256
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR217326 representing NM_001100507
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCCCATGAACCCCATGAAACCTGCCTGCCCCCTGCACCACACGGTGATGGTTTCATTTGCATATG
 AGTCTGTGCCTTGGCAACAAAGTGCCACTCAGCCAGCTGGGTCACTGTCCGTGGTCACTACTGTGTGGG
 AGTTGGCAACGCAACACAGAGCCAGTTTTGGGGAACCCCATGGGCCCTGCAGGAAGCCCCCTGGTGGC
 TCCATGATGCCTGGTGTGGCAGGTGGCAGCTCTGCCTTGACCTCCCCGAGTGCCTGGGACAGCAGGCGT
 TTGCCAAGGCGGTGCTAGCAAGGGCTACGTACAGCAAGGCGTGTATGGCCGAGGGGGCTACCCTGGGG
 ATCCAGTTTCACTCCTGGGTATGCAGGAGGCCCTGGAGGCCTGGGGCTCCCCACACATGCAGCACGGCCC
 TCAACTGACTTCACACAAGCAGCAGCTGCAGCTGCCATGGCTGCTGCTGCAGCTACGGCCACAGCCACAG
 CCACAGCTACTGTGGCTGCCCTGCAAGAGAAGCAGAGCCAGGAGCTAAGCCAATATGGAGCGATGGGGAC
 TGGGCAATCTTTAACAGCCAGTTTCTGCAGCATGGAGTCTCGAGGGCCAGTGTACCCCTGGCATG
 AACCTTCAGGCATGGGAGGAATGATGGGCCCTCAGGCCTTTCCTCCATGGCCATGAATCCTACACGGG
 CAGCAGGCATGACACCCTTGTATGCAGGACAGCGACTGCCTCAGCATGGTACCCTGGGCCCTCCCCAGGG
 GCAGCCGCTGCCTCGACAGGGGGTCAAGAGAGCCCTACTCAGAGGTGTATCCTGGGCAGCAATATCTGCAA
 GGAGGCCAGTATGCAGCCAGCACTGCCAGTATGCTCCTGGTCCCAGGACAGCCCTGGCCCTGCCTCCT
 CCTACGCAGGACACAGACTCCCCCTGCAGCAGGGCATGGCCAGTCCCTGTCTGCCCTGGCCCCACAGG
 ACTGCATTACAAGCCCACAGAGCAGTTCAACGGGCAGGGCCAGCTTCAACGGGGGACAGCATCAGCTAC
 AGCCAGCCTGGCTTGTAGTGGGCTTCCCCTCCATCCCTGCTTACCCAGCTCCCCACTGGGGGAATC
 CCACACCACCATGACGCCTCAGCAGTGTCCCTACATGTCCCAAGCCAGGAGGTCAAGTCTCCTTT
 CCTGCCTGACCTCAAGCCAGGCCTCAGCTCCTTGCAACCATCACCTCTGGGAAGCGTCCCCTGTGACGAG
 CTGCGCCTGACCTTCCAGTTCCGGATGGGGTGGTCTGGAGCCCTTCCGCTGCAGCACAACTGGCTG
 TGAGCAACCATGTCTTCCAGCTCCGAGACTCTGTGTATAAAAACCTGATGCTGAGACCTGACTTAGAGCT
 GCAGTTCAAGTGTACCACCACGAGGACCGGCAGATGAACACCAACTGGCCGGCCTCGGTGCAGGTGAGC
 GTCAATGCCACACCCCTCAGCATCGAGCGTGGAGACAACAAGACCTCGCACAAAGCCCTCTACCTGAAGC
 ATGTGTGCCAGCCGGTGCACACCATCCAGATCACCGTACCAGCTGCTGCTGCTCCACCTCTTCGT
 GCTGCAGCTGGTGCACCGTCCGCTGTCCGCTCTGTGCTGCAGGGTCTCCTCAAGAAGCGCTCTTGCCA
 GCTGAGCACTGCATCACCAAGATAAAGCGGAATTCAGTAGCGGCACCATCCCTGGCACCCCTGGGCCCA
 ATGGAGAGGATGGGGTGGAGCAGACGGCTATCAAGGTGTCCCTGAAGTGCCCATCACCTTCCGAGGAT
 CCAGCTCCAGCTCGTGGTACGACTGTGCGCCACATACAGTGCTTTGACCTGGAGTCATACTTACAGCTT
 AACTGTGAGCGGGGGACCTGGAGGTGTCCGGTGTGCAACAAGACGGCATTGCTGGAGGGCCTGGAGGTGG
 ATCAGTATATGTAGGCATCCTGATTTATATTCAGAACTCAGACTACGAGGAGATCACCATCGACCCAC
 ATGCAGCTGGAACACAGTGCCTGTGAAGCCTGACCTACACATCAAGGAGGAGCCGGACGGGCCAGTGTG
 AAGCGCTGCCGTACTGTGAGCCCTGCCACGTGCTCATGCCAGTGTGATGGAGATGATTGCGGCCCTGG
 GCCCTGGCGTGGCCCCTTTGGCCATTGCAGCCCCCTTCGGCCCTACCCAGCGACTACCCAGCCA
 GGGTTCCAACCTCCTGGGGCCTGGAACCTTCCAGAATCTTCCCATCTGTACACCCGCCACCCCAAAAC
 CTTGCTGAGTTACCCAGGGGCCACCCCAATCTCCTACCAGTCTGACATTCCCAGCAGCCTCCTGACTC
 CAGACAAGTCTGCTCCTTGCCTCCAGGCCAGATGGCACCAGCAGGTACCTGGACCCAGCCATATCC
 TGGACCACCAGGACTGCACACTCCAACTCGGGCCACCCAGGCACCCAGCTACACCATCCAAACCTT
 TCCCCTGCATCCAGGCAGCCCTGGGCCAACAAACACAGGGCCCATCAGTGAATGGCTTCAATCCTG
 CCACGGGCATGATGGGGCTCCCAGCATGACTGGGGCAGGGGAGGCCTCAGAACCAGCTCTGGATCTGCT
 CCCAGAAGTACCAATCCTGATGAATCTCCTACCTGGGTCCACCTGACCTCCCCACAACAGCAGT
 GATGATCTGCTCACTCTTTGAGAACAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217326 representing NM_001100507
 Red=Cloning site Green=Tags(s)

MNPMNPMKPALPPAPHDGGSFAYESVWPQQSATQPAGSLSVVTTVWVGNGATQSQV LGNPMGPAGSPPGG
 SMMPGVAGGSSALTSPQCLGQQAFAEGGASKGYVQQGVYGRGGYPGGSSFTPGYAGGPGGLGLP
 THAARP STDFTQAAAAAATAATATATATVAALQEKQSQELSOYGMGTGQSFNSQFLQHGGRG
 PPSVPPGM NPSGMGMMGPPSGLSSMAMNPTRAAGMTPLYAGQRLPQHGYGPPQGPQLPRQGV
 KRAYSEVYPPGQYLQ GGQYAASTAQYAPGPGQPPGPASSYAGHRLPLQQGMAQSLSAPGPTGL
 HYKPTQFNQGGASFNGGSIYSQ PGLSGPSRSIPAYSSPLPGNPTPPMTPSSAPYMSPSQEVKSP
 FLPDLKPLGSSLHPSGSPVPCDELRLTFPVRDGVVLEPFRLQHNLA VSNHVFQLRDSVYKTLMLR
 PDLELQFKCYHHEDRQMNTNWPASVQVS VNATPLSIERGDNKTSHKPLYLKHVCQPRNTI
 QITVTACCCSHLFVLQLVHRPSVRSVLQGLLKKRLLP AEHCITIKRNFSSGTIPGTPGPN
 GEDGVEQTAIKVSLKCPITFRRIQLPARGHDCRHIQCDFLESYLQ NCERGTWRCPVCNKTA
 LLEGLEVDQYMLGILIIYIQNSDYEEITIDPTCSWKVPVVKPDLHIKEE PDGPVL KRCRT
 VSPAHLMPVMEIAALGPGAAPFAPLQPPSAPTPSDYPSQGSNFLGPGTFPESFPSATPATPN
 LAEFTQGPPPI SYQSDIPSSLLTPDKSAPCLPGQMAPAGHLDPAHNPGPPGLHTPNLGP
 TPGTQLHHPNP SPASRQLGQPNTGPISELA FNPATGMMGPPSMTGAGEASEPALDLLPEL
 TNPDELLSYLGPPDLPTNSS DLLSLFENN

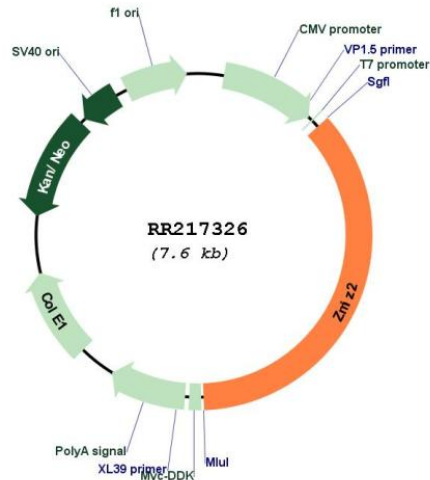
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001100507

ORF Size: 2760 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:

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_001100507.1](#), [NP_001093977.1](#)

RefSeq Size: 4385 bp

RefSeq ORF: 2763 bp

Locus ID: 289783

Cytogenetics: 14q21

MW: 96.5 kDa