

## Product datasheet for **RR217250**

### Zhx2 (NM\_001271056) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zhx2 (NM_001271056) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zhx2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR217250 representing NM\_001271056  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAAGCAAACGGAAATCGACAACGCCGTGCATGGTCCGGACATCACAGGTGGTAGAACAAGACGTGC  
 TGGAGGAGGCAGACAGGGCCAAAGACAAAGGACTGGGCGTGCCACCGTCCGATGTGAGCAAGGAGAGGTG  
 GGCAGCAGAGCCGGAACCTCGTCCAAAGAAAGCGAGGTGGTGGAGGTGAGATCGGTGGGGGAGAGCCAG  
 TCCAAGAACTCCAGGGTGGTATGAGTCAAGTACTGCCCTTACTCCACGCAAAACCTGAATGAGTTCA  
 CGGAGCACGTGGATATGCAGCACCCCAACGTGATTCTCAACCCCTCTACGTATGTGCCAATGTAACCT  
 CACAACCAAAAAGTATGACTCCCTGTCTGACCACAACCTCAAGTCCATCCCGGGGAGACCAACTTCAAG  
 CTGAAGTTAATCAAGCGTAATAATCAGACGGTCTAGAGCAGTCCATCGAGGCCACCAACCAGTTGTGT  
 CCATCACTGCCAGTGCTCCTGGAAGTAGTGATAATGACCCCGGGTCTCAGTAGGTAAGACTGCCACGGT  
 GAAGACAGGAAAGCAGAAGGCAGATGCCAAGAAAGTGCCAAGAAGCCTGATGAGGCTGCCCCAGACAAC  
 CATATGGAAGGGACTGCCCGCTGGTGACAGACACAGCCGAGATCCTGTCCAGACTTGGAAGTGTGGAGC  
 TCCTTACAGATTCACTGGGACACGTATGCCTCCGTACAGCTGCCACCAAAATATCAACCTTGTCGCCAA  
 GGTCCCGTCCCGCTGAATACTACCAAATACAACTCTGCCCTGGACACAAATGCTACCATGATCAACTCC  
 TTCAACAAGTTCCCTTACCCACCCAGGCTGAGCTCTCCTGGTGACCGCAGCCTCCAAACCCAGAGG  
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 GGAGGCCCGAAAGAAGATGTTTAAACGGCACGATTCACTCAGTACCCCAACTATCACTGTGCTTCTGCA  
 CAGCTGACCCCAAAAAGTGTACAGCCCATCTCCAGACAGCCCTACCGTCCAGATCCTTGGCCAGC  
 CCAGCCTGGTGTGACTCAAGTGACAAGTGGTCAACAGCTGTCTCGTGTCTCCATCACACTTGCCCT  
 GGCTGGAGTGACCAACCATGGCCAGAAGAGACCTCTGGTACTCCTCAAGCTGCCCTGAGCCGAAGCGT  
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 GCAAGAAGACCAAGTTACAGATCGCCACCTCAAGGCAAGCTTCTTACAGAGCCAGTTCCCTGACGATGC  
 CGAGGTGTACCGCTCATTGAGGTGACAGGCCCTTCCAGGAGTGAGATCAAGAAGTGGTTCAGCGACCAT  
 CGTACCGGTGTGAGAGAGGCATTGTCCACATCACCAGCGAATCCCTTGCCAAAGACCAGATGGCCATTA  
 CTGGCACCCGACACGGTGCACCTACCAGTATACCCAGACTTTGCCGCCAGAAGTTCAAAGAGAAAAG  
 CCAGGGACAGTTGAAAACCTGGAAGACAGCTTCTGAAAAGCTTTTTCCACCCAGGCAGAAGTAGAA  
 CGGCTGAGGGTGGAAACCAAGCTAAGCAGGAGGAAATCGACTCCTGGTTTTCCGAGAGGCGAAAGCTTC  
 GAGACAGCATGGAGCAGGCTGTCTTGGATTCCATGGGGTCTGGCAAAAAGGGCTCGGATGTGGTAGCCCC  
 CAATGGTGTCTATCCCGACTTGATCAGCTCTCTGGTGCCAGTTAGCTGGTCTTTGCCAGTCCTTCA  
 TCAGCAGTTGTACAAAATCAAGAGCAGGTTACCTACTCAGGAGCACCTTTGCAAGAACCAGTGGCCCA  
 CTCCTCAGGAGTACGACCAGTTAGCTGCCAAGACTGGCCTGGTCCGAAGTGAATTTGCGCTGGTTCAA  
 GGAGAACAGATGCTTACTAAAACTGGAACGTTGAGCTGGTTGGAGCAGTATCAGAGGCATCACCTGTCA  
 GATGACCATGGCCACGATGTCCATCAAGAAGAGCGACAAAACACGTTGCTGAGAGCCAAAGAATGGAA  
 GCGAGGTGGCTCACCAGTATGCCAAGGACCCAAAGCCCTCGGCGAGGAGGAATCCGAGAAGCTGGTCCC  
 CAGGGTAAAATTGGTCGGCGATCCATCCAAGACTGTCTGGCGGGCAAGCCCTCAGAGGCCACCTCAGAC  
 AGATCCGAGGGTAGCCGAGATGGCCAGGGCAGCGAGGAAAACGAGGAGTACGGCATCGTGGACTTTGTGG  
 AGGTGACGGTTGGAGAGGAGGACCCATCTCAGAGAAGTGGGGTAGCTGGAGTACAGAGGTAGCAGAAGG  
 CACAGTAGAAAGAGCGGACTCCGACTCGGACAGCACCCCTGCAGAGGCCGGCCAAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217250 representing NM\_001271056  
 Red=Cloning site Green=Tags(s)

MASKRKSTTPCMVRTSQVVEQDVLEEADRAKDKGLGVPPSDVSKERWAAEPEPSSKESEVVEVRSVGESQ  
 SKKLQGGYECKYCPYSTQNLNEFTEHVDMQHPNVILNPLYVCAECNFTTKKYDSLSDHNSKFHPGETNFK  
 LKLIKRNQTVLEQSI EATNHVVSITASAPGSSDNDPGVSVGKTATVKTGKQKADAKKVPKPKDEAAPDN  
 HMEGTARLVTDTAEILSRLGSVELLHDSLGHVMPVSVQLPPNINLVPKVPVPLNTTKYNSALDTNATMINS  
 FNKFPYPTQAELSWLTAAASKHPEEHIRIWFATQRLKHGISWSPEEV EEARKKMFNGTIQSVPTITVLP  
 QLTPTKVSQPI LQTALPCQILGQPSLVLTQVTSGSTAVSCSPITLAVAGVTNHGQKRPLVTPQAAPKPR  
 PHIAQVPEPPP VANTPLTPASDRKTKLQIAHLKASFLQSQFPDDAEVYRLIEVTGLARSEIKKWFSDH  
 RYRCQRGIVHITSESLAKDMAITGTRHGRTYHVYPDFAAQKFKEKSQGLKLTLEDSFLKSSFTQAEVE  
 RLRVETKLSRREIDSWFSERRKLRDSMEQAVLDSMGSKKKGSDDVAPNGALSRDLQLSGAQLAGPLPSPS  
 SAVVQNQE QVHLLRSTFARTQWP TPQEYDQLAAKTGLVRTEIVRWFKENRCLLKTGTL SWLEQYQRHHS  
 DDHGHDVASRRATKHVAESPKNGSEVAHQYAKDPKALGEESEKLVPRVKLVGDP SKDCLAGKPSEATSD  
 RSEGRDGGQSEENEE SGIVDFVEVTVGEEDAISEKWGSWSQRVAEGTVERADSDSDSTPAEAGQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

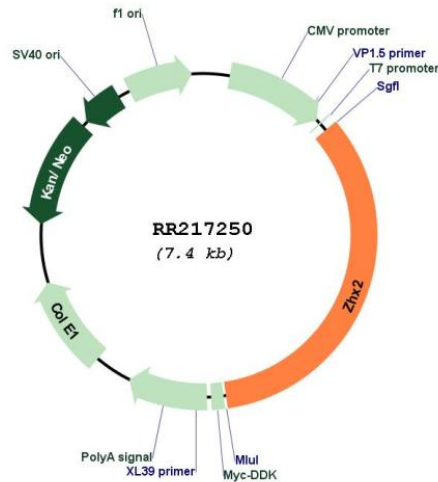
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001271056

ORF Size: 2508 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\\_001271056.1](#), [NP\\_001257985.1](#)

RefSeq Size: 2855 bp

RefSeq ORF: 2511 bp

Locus ID: 314988

UniProt ID: [Q80VX4](#)

Cytogenetics: 7q33

MW: 92.1 kDa

Gene Summary: putative transcriptional repressor [RGD, Feb 2006]