

Product datasheet for **MC229091**

Zhx1 (NM_009572) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zhx1 (NM_009572) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zhx1
Synonyms:	3110006I21Rik; mKIAA4149
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229091 representing NM_009572
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAAGCAGACGAAAATCAACAACACCTTGCATGGTCCTTGCCAGTGAGCAGGATCCAGATCTTGAGC
 TGATATCGGATTTGGATGAAGGCCCTCCCATCCTTACACCTGTAGAGAATGCTAAAGCAGAGAGTGTCTC
 CAGCGATGAAGAAGTTCACGGATCTGTGGATTCTGACAATCAGCAAAAATAGAAAAGTGAAGGGGCTAT
 GAATGTAATATTGTACTTTTCAAACCTCCAGATCTAAATATGTTTACTTTCCATGTAGATTCAGAACATC
 CCAATGTTGTGCTGAATTCCTCTATGTTTGTGTTGAATGCAATTTTCTTACAAAAGGTATGATGCACT
 TTCTGAGCATAATCTGAAATACCACCCAGGAGAAGAAAATTTCAAGCTGACTATGGTGAAGCGGAATAAC
 CAGACAATCTTTGAACAGACAATAAATGATCTAACTTTTGTGAGGAGTTTGTAAAGAGGAGAATACAG
 AACAGGAGAATCCATAGATGTTTCTTCTCGGAATCTCCATTAGTAAAACCTCCATCATGAAAATGAT
 GAAAAATAGGTAGAGAACAACGGATTACAGTCCACCATAACTCAGCTGAGGGCACTTCTGAAGAGAAA
 GAGAATGGAGTAAAAGCAAGCCAGGAAGAAAATGCAGAAAAGTGTGAGTTCTTCAAGCTTTAGAAATCCAATA
 CAAGTACTTCCACCATCAACAGAGTGCATCCCAGTCTGCCAGCAGAGTGGTGAATCCACAGCTGTTCT
 TCCTGGGTTAGCACAGGTGATAACTGCGGTGTCTGCTCAACAGAACTCAAACCTTGCTCCCTAAAGTCTTA
 ATCCCCGTTAATAGCATTCTACCTACAATGCTGCATTGGATAACAATCCTCTTCTACTTAATACCTACA
 ACAAAATCCCTTATCCTACAATGTCAGAAATACAGTTCTTTCTGCTCAAGCAAAAATACACAGGGAACA
 AATCAAGATCTGGTTTTAGCCCAACGTTTAAAGCATGGTGTAGTTGGACTCCTGAAGAAGTAGAGGAG
 GCGAGAAGAAAACAATCAATGGAACAGTACATACTGTACCTCAGACCATAACTGTTATTCCTACACACA
 TTTCCACAGGGAGTAACGGGTTACCATTCTTACAGACATGCCAAATGTTGGTGCAGCGGTGTTGTT
 CCTTACTCAAGTAGCTGGAACAAACACCTTGCCAGTAAACAGCACCCATTGCCCTGACAGTGGCAGGGTT
 CCAAATCAACAAATGTACAAAAGGCCAAGTGCCTGCTGCTCAGCCTGTACAGACACAAAACAGCCA
 CAGCAGAGTTCATCCTCGCCAAGTGTGAGACCTGAAGCTGCACTAGTGAACCCAGATTCATTTGGTAT
 TCGGGCCAAAAGACTAAAGAGCAGCTGGCAGAACTGAAAGTTAGCTACCTAAAAATCAGTTTCCCAT
 GACTCAGAGATCATCAGGCTTATGAAAATAACAGGCCTTACCAAAGGCGAGATTAATAATGGTTTAGTG
 ATACAAGGTACAACCAGAGAAAATCAAAGAGTAACCAAGTGTACATCTCAACAATGACTCCTCTGCCAC
 TATCATCATAGACTCCAGTGTGAAACCCAGAACCCCGAGCGGAGCTGCTTACAGCAGAAACAGTCC
 TGGAAATCCCTTCTGACTTTGCTCCCCAGAAGTTTAAAGAGAAAACGCAGAGCAACTCCGTGCCCTTC
 AGGCAAGTTTTCTCAACAGTTCTGTACTTACTGATGAAGAAGTAAATAGTTAAGAGCGCAACCAAAC
 TACTAGAAGAGAAAATGATGCTTGGTTTACAGAGAAAATAAAAACAAAAGCTTTAAAGGATGAGAAAATA
 GAAGTAGATGAAAGTAAATGTAGGTAGTTCCAAAGAAGAGCCTGGAGAAAGTTCTCCTGGAGATGAAACAG
 TTGCACCTAAGTCAGGAGGGACAGGCAAGATATGTAAGAAAACACCAGAGCAGCTGCACATGCTTAAAG
 TGCATTTGTCCGAACACAGTGGCCATCAGCAGAAGAGTATGACAAGCTGGCTGAAGAGAGTGGCCTTGCC
 AGAACAGATATAGTTAGTTGGTTTGGGGATACCCGTTATGCTTGAAGAATGAAACTTGAATGGTATT
 ACTACTATCAAAGCTCCAATCAAGTAGTTTGAATGGTCTATCTCCCTTAGGAGAAGAGGGAGAGGCAG
 ACCCAAAGGAAGGGGCAGGGGCAGACCAGTGGTCCGCCAGAGGTGAAAAAGAATGAACACCTGGGAC
 AGGGTACCATCGCTTATAAAGTTTTAAACTGGAACAGCAATACTTAAGGATTATTACCTGAAGCACAAAT
 TTCTTAATGAGCAAGACCTTGTGAACCTGCAACAGATCACACATGGGTTATGAGCAGGTGAGAGAGTG
 GTTTGCAGAAAGACAGAGAAGATCTGAGTTAGGTATAGAATTTTGGAGAAAATGAGGAGGAAGATGAA
 GTTGTGATGATCAGGAAGAAGATGAAGAAGAAACAGATGATAGTGACACTTGGGAACCCACGACATG
 TGAAGCGGAAGCTTTCTAAATCGGATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009572

Insert Size:	2622 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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_009572.4 , NP_033598.2
RefSeq Size:	5105 bp
RefSeq ORF:	2622 bp
Locus ID:	22770
UniProt ID:	P70121
Cytogenetics:	15 D1
Gene Summary:	<p>Acts as a transcriptional repressor. Increases DNMT3B-mediated repressive transcriptional activity when DNMT3B is tethered to DNA. May link molecule between DNMT3B and other co-repressor proteins (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR, compared to variant 2. Both variants 1 and 2 encode the same protein.</p>