

## Product datasheet for **MR231302**

### Zhx1 (NM\_009572) Mouse Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>MR231302 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAAGCAGACGAAAATCAACAACACCTTGCATGGTCCTTGCCAGTGAGCAGGATCCAGATCTTGAGC  
 TGATATCGGATTTGGATGAAGGCCCTCCCATCCTTACACCTGTAGAGAATGCTAAAGCAGAGAGTGTCTC  
 CAGCGATGAAGAAGTTCACGGATCTGTGGATTCTGACAATCAGCAAAAATAGAAAAGTGAAGGGGGCTAT  
 GAATGTAATATTGTACTTTTCAAACCTCCAGATCTAAATATGTTTACTTTCCATGTAGATTCAGAACATC  
 CCAATGTTGTGCTGAATTCCTCTATGTTTGTGTTGAATGCAATTTTCTTACAAAAGGTATGATGCACT  
 TTCTGAGCATAATCTGAAATACCACCCAGGAGAAGAAAATTTCAAGCTGACTATGGTGAAGCGGAATAAC  
 CAGACAATCTTTGAACAGACAATAAATGATCTAACTTTTGTGAGTGGCAGTTTGTAAAGAGGAGAATACAG  
 AACAAGGAGAATCCATAGATGTTTCTTCTCGGAATCTCCATTAGTAAAACCTCCATCATGAAAATGAT  
 GAAAAATAGGTAGAGAACAACGGATTACAGTCCACCATAACTCAGCTGAGGGCACTTCTGAAGAGAAA  
 GAGAATGGAGTAAAAGCAAGCCAGGAAGAAAATGCAGAAAAGTGTGAGTTCTTCAAGCTTTAGAAATCCAATA  
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 TCCTGGGTTAGCACAGGTGATAACTGCGGTGCTGCTCAACAGAACTCAAACCTTGCTCCCTAAAGTCTTA  
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 TATCATCATAGACTCCAGTGTAAACCCAGAACCCCGAGGCGAGCTGCTTACAGCAGAAACAGTCC  
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 AGGCAAGTTTTCTCAACAGTTCTGTACTTACTGATGAAGAAGTAAATAGGTTAAGAGCGCAACCAAAC  
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 GTTGTGATGATCAGGAAGAAGATGAAGAAGAAACAGATGATAGTACACTTGGGAACCCACGACATG  
 TGAAGCGGAAGCTTTCTAAATCGGATGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR231302 protein sequence  
 Red=Cloning site Green=Tags(s)

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MASRRKSTTPCMVLASEQDPDLELISDLDEGPPILTPVENAKAESVSSDEEVHGSVSDSNQONKKVEGGY
ECKYCTFQTPDLNMFTHVDSEHPNVVLNSSYVCVECNFLTKRYDALSEHNLKYHPGEENFKLTMVKRNN
QTIFEQTINDLTFDGSFVKEENTEQGESIDVSSSGISISKTPIMKMMKNKVENKRITVHHNSAEGTSEEK
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IPVNSIPTYNAAALDNNPLLLNTYNKFPYPTMSEITVLSAQAKYTEEQIKIWFSAQRLKHGVSWTPEEVEE
ARRKQFNGTVHTVPQTITVIPTHISTGSNGLPSILQTCQIVGQPGLVLTQVAGTNTLPVTAPIALTVAGV
PNQTNVQKSQVPAAPATDTPATAAASPSSVRPEAALVNPDSFGIRAKKTKEQLAELKVSYLKNQFPH
DSEIIRLMKITGLTKGEIKKWFSDTRYNQNSKSNQCLHLNNDSSATIIIDSSDETPPEPAAAAASQKQS
WNPFPDFAPQKFEKTAEQLRALQASFLNSSLTDEEVNRLRAQTKLTRREIDAWFTEKNKTKALKDEKI
EVDENVGSSKEEPPGESSPGDETVAPKSGGTGKICKKTPEQLHMLKSAFVRTQWPSAEEYDKLAEEGLA
RTDIVSWFGDTRYAWKNGNLKYYYYQSSNSSLNGLSSLRRRGRGRPKGRGRPRGRPRGGRKMNTWD
RVPSLIKFKTGTAAILKDYYLKHKFLNEQDLDELVNRSHMGYEQVREWF AERQRRSELGIELFEENEDEE
VVDDQEEDEEETDSDTWEPPRHVKRKLKSKSDD
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

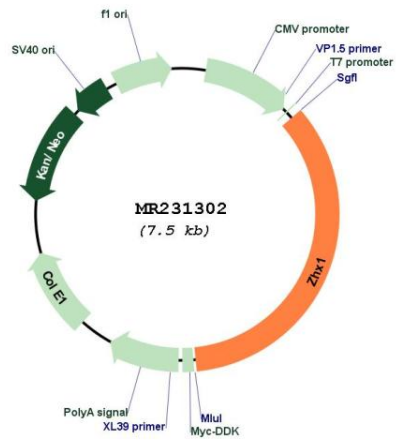
Sgfl-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_009572
<b>ORF Size:</b>	2622 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_009572.4</a> , <a href="#">NP_033598.2</a>
<b>RefSeq Size:</b>	5105 bp
<b>RefSeq ORF:</b>	2622 bp
<b>Locus ID:</b>	22770
<b>UniProt ID:</b>	<a href="#">P70121</a>
<b>Cytogenetics:</b>	15 D1
<b>MW:</b>	97.6 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for MR231302