

## Product datasheet for **RN207156**

### Zhx1 (NM\_133620) Rat Untagged Clone

#### Product data:

|                    |                                     |
|--------------------|-------------------------------------|
| Product Type:      | Expression Plasmids                 |
| Product Name:      | Zhx1 (NM_133620) Rat Untagged Clone |
| Tag:               | Tag Free                            |
| Symbol:            | Zhx1                                |
| Vector:            | pCMV6-Entry (PS100001)              |
| E. coli Selection: | Kanamycin (25 ug/mL)                |
| Cell Selection:    | Neomycin                            |



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**Fully Sequenced ORF:** >RN207156 representing NM\_133620  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAAGCAGACGAAAATCAACAACACCTTGCATGGTCCTTGCCAGTGAGCAGGATCCAGATCTTGAGT  
 TGATATCGGATTTGGAAGAAGGCCCTCCCGTCCTTACACCCGTAGAAAATGCTAGAGCAGAGAGTGTCTC  
 CAGCGATGAAGAAGTTCCGAATCTGTGGATTCTGACAATCAGCAAAAATAGAAAAGTGAAGGGGCTAT  
 GAATGTAATACTGTACTTTTCAAACCTCCAGATCTAAATATGTTTACTTTCCATGTAGATTCAGAACATC  
 CCAATGTTGTGCTGAATTCATCTATGTTTGTGTGAATGCAATTTTCTTACAAAAGGTATGATGCACT  
 TTCTGAGCATAATCTGAAATACCACCCAGGAGAAGAAAATTTCAAACCTGACTATGGTGAAGCGGAATAAC  
 CAGACAATCTTTGAACAGACAATAAATGATCTGACTTTTGTATGGCAGTTTTGTTAAAGAGGAGAATACAG  
 AACAGGAGAATCCATAGATGTTTCTTCTCGGAATCTCCATTAGTAAAACCTCCATTATGAAAATGAT  
 GAAAAATAGGTAGAAAACAAACGGATTACAGTTCACCATAACTCAGCTGAGGGCACTTCTGAAGAGAAA  
 GAGAATGGAGTAAAAGCAAGCCGGGAAGAAAATGCAGAAAATACGAGTTCCTCAGCTTCAGAATCTAACA  
 CAAGTACTTCCACTGTCAACCAAGTGCATCCAGTCTGCAGGCACAGTGGTGACCCCCACAGCTGTTCT  
 TCCTGGGCTAGCACAGGTGATAACTGCAGTCTCCGCTCAACAGAACTCAAACCTGGTCCCTAAGGTCTTA  
 ATCCCTGTTAATAGCATTCCAACCTACAATGCTGCATTGGATAACAATCCTCTTCTACTTAAACCTTACA  
 ACAAAATCCCTTATCCTACAATGTCAGAAATACAGTCTTTCTGCTCAAGCAAAAATACAGAGGAACA  
 GATCAAGATCTGGTTTTAGCCCAACGTTAAAGCATGGGGTTAGTTGGACTCCTGAAGAAGTAGAGGAG  
 GCAAGAGAAAACAATCAATGGAACAGTGCATACTGTACCTCAGACCATAACTGTTATTCCTACACACA  
 TTTCCACAGGAAGTAATGGGTTACCATTATTTTACAAACATGCCAAATAGTTGGTCAGCCAGGTCTGGT  
 CCTTACTCAAGTAGCTGGAGCAACACCTTGCCAGTAACGGCTCCCAATTGCTCTGACAGTGGCAGGGGTT  
 CCAAATCAACAAATGTACAAAAGAGTCAAGTGCTGCTGCTCAGCCTGCTGCAGAAACAAAGCCAGCCA  
 CAGCAGCAGTTCATCATCGCCAAGTGTGAGGCCTGAAGCTGCACTAGTGAACCCAGATTCATTTGGTAT  
 TCGGGCCAAAAAGACTAAGGAACAGCTGGCAGAACTGAAAGTTAGCTACCTTAAAAACCAGTTTCCCCAC  
 GACTCAGAGATCATCAGGCTTATGAAAATAACAGGCCTTACCAAAGGCGAGATTAATAATGGTTTAGTG  
 ATACAAGGTACAACCAGAGAAAATCAAAGAGTAACCAAGTGTACATCTCAATAACGACTCCTCTGCCAC  
 TATCATCATAGACTCCAGTGTAAACCCAGAACCCCGCTGCAGCTGCGTCACAGCCGAAACAGTCC  
 TGGAAATCCCTTCTGACTTTGCTCCCCAGAAGTTTAAAGAGAAAACCTGCAGAGCAACTCGTGTCTTC  
 AGGCAAGTTTTCTCAACAGTTCTGTACTTACAGATGAAGAATTAATAGGTTAAGAGCGCAACCAAACCT  
 TACTAGAAGAGAAAATGATGCTTGGTTTACAGAGAAAAATAAAACAAAAGCTTTAAAGGATGAGAAAAGTA  
 GAAGTAGATGAAAGTAATGTAGGTAGTTCCAAAGAAGAACCTGGAGAAAATCTCCTGGAGACGAAGCCG  
 TTGCACCTAAGTCAGCAGGGACAGGCAAGATATGTAAGAAGACACCAGAGCAACTGCACATGCTTAAAAAG  
 TGCATTTGTCCGAACACAGTGGCCGTCAACAGAAGAGTATGACAAGCTGGCTGAAGAAAAGTGGGCTTGC  
 AGAACAGACATAGTTAGTTGGTTGGAGATACCCGTTATGCTTGAAGAATGGAACTTGAATGGTACT  
 ACTACTATCAAAGCTCCAATTCAAGTAGTTTGAATGGTCTGTCTCCCTTAGGAAAAGAGGGAGAGGCAG  
 ACCCAAAGGACGAGGCAGAGGCAGACCAGTGGCGGCCAGAGGAGGAAAAAGAATGAACACCTGGGAC  
 AGGGTACCGTCGTCATAAAGTTTTAAACTGGAACAGCAATACTTAAAGATTATTACCTGAAGCACAAAT  
 TTCTTAATGAGCAAGACCTTGTGAACCTGTCAACAGATCACACATGGGTTACGAGCAGGTGAGAGAGTG  
 GTTTGCAGAAAGACAAAGAAGATCTGAGTTAGGTATAGAATTTTGGAGAAAATGAGGAGGAAGATGAG  
 GTTATTGATGATCAGGAAGAAGATGAAGAAGAAACAGATGATAGTGACACTTGGGAACCCCCACGACATG  
 TGAAGCGGAAGCTTTCTAAATCGGATGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_133620  
**Insert Size:** 2622 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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).  |
| <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_133620.1</a> , <a href="#">NP_598304.1</a>   |
| <b>RefSeq Size:</b>           | 4539 bp   |
| <b>RefSeq ORF:</b>            | 2622 bp   |
| <b>Locus ID:</b>              | 171159  |
| <b>UniProt ID:</b>            | <a href="#">Q8R515</a>  |
| <b>Cytogenetics:</b>          | 7q33  |
| <b>Gene Summary:</b>          | may bind the activation domain of the A subunit of nuclear factor-Y to regulate transcription; localized to the nucleus; can form a homodimer in vitro [RGD, Feb 2006]  |