

## Product datasheet for MR220999

### Hoxd8 (NM\_008276) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hoxd8 (NM\_008276) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Hoxd8  
**Synonyms:** 4921540P06Rik; AI047735; Hox-4.3; Hox-5.4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR220999 representing NM\_008276  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCTCGTACTTCGTGAACCCGCTGTACTCCAAGTACAAGGCGGCGGCCGCGGCGGCGGCGGCTG  
 CGGCGGCCGCGGCGGCGAGGCCATCAATCCCCTTACTACGACTGTATTTTGCACCCGAGGTGAGCGG  
 CCGCCACGCCGCCGCCCTGCAGCTCTATGGCAACAGCGCCGCGGCTTCCCGCACGCGCACCCGCACCCG  
 CACCCGCACCCGTCGCCGCCGCCGGTGCAGCGGAGGGGGCGGCCGGGGCCCGCCAGGACTACTTCC  
 ACGCCGCGCGGGCAGCCGACCGCTGCCTACCAGGCCGCCACCTCCTCCGCACCTCCGCCTCCGCC  
 GCCGCTCCCCCTGCGGCGGGATTGCCTGTACGGGGAGCCCGGAAGTTTTACGGATACGATAACTTA  
 CAGAGACAGCCGATTTTTACGACCCAGCAAGAGCCGAGCTGGTACAATATCCTGACTGTAATCGTCCA  
 GTGGTAATATTGGCGAGGACCCAGACCACTTAAATCAGAGCTCGTCTCCTTCTCAAATGTTTCCCTGGAT  
 GAGACCACAAGCAGCTCCTGGTAGACGGAGAGGAAGACAAACCTACAGTCGCTTCCAAACCTAGAGTTG  
 GAAAAGGAATTCCTTTTTAACCTTATCTGACCAGGAAGAGGAGAATCGAGGTCTCCATACTCTGGCCC  
 TCACGGAGAGACAGGTAATAATCTGGTTCAGAACAGGAGAATGAAATGGAAAAAGGAGAACAACAAGA  
 CAAGTTTCCTGCGTCCCGGCCGAGGCAAAGGATGGAGACCCAAAAAGGAAGTCTCGGGGCTGGAAGAA  
 GACGGAGCTGAAGGCTGCCCCACAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR220999 representing NM\_008276  
Red=Cloning site Green=Tags(s)

MSSYFVNPLYSKYKAAAAAAAAAAAAAAAAAAGEA INPTYDYDCHFAPEVSGRHAALQLYGNSAAGFPHAHPHP  
 HPHPSPPPGCGGGGGPGQDYFHAGAGSPTAAYQAAPPPPPPPPPPPPPCGGIACHGEPAKFYGYDNL  
 QRQPIFTTQQAELVQYPDCKSSSGNIGEDPDHLNQSSSPSQMFPWMPQAAPGRRRGRQTYSRFQTLEL  
 EKEFLFNPYLTRKRRRIEVSHTLAL TERQVKIWFQNRMRKWKKENNKDKFPA SRPEAKDGDGPKKEVSGLEE  
 DGAEGCPTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9089\\_a01.zip](https://cdn.origene.com/chromatograms/mm9089_a01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008276

**ORF Size:** 867 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\\_008276.3](#), [NP\\_032302.2](#)

**RefSeq Size:** 2055 bp

**RefSeq ORF:** 870 bp

**Locus ID:** 15437

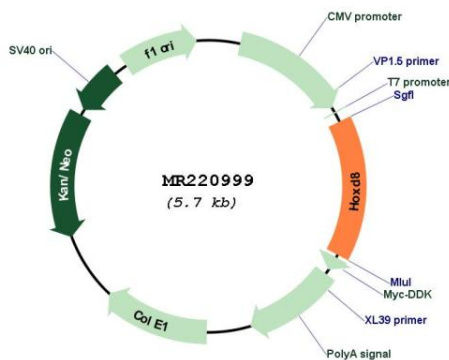
**UniProt ID:** [P23463](#)

**Cytogenetics:** 2 44.13 cM

**MW:** 31.4 kDa

**Gene Summary:** Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR220999