

## Product datasheet for **MC226806**

### Hoxd8 (NM\_001290730) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hoxd8 (NM\_001290730) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hoxd8  
**Synonyms:** 4921540P06Rik; AI047735; Hox-4.3; Hox-5.4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226806 representing NM\_001290730  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGCTCGTACTTCGTGAACCCGCTGTACTCCAAGTACAAGGCGCGCCGCGGGCGGGCGGGCTG  
CGGCGCCGCGGGGCGAGGCCATCAATCCCCTACTACGACTGTCAATTTGCACCCGAGGTCAGCGG  
CGCCACGCCCGCCCTGCAGCTCTATGGCAACAGCGCCGCGGCTTCCCGCACGCGCACCCGACCCG  
CACCCGACCCGTCGCCCGCCCGGGTGCAGCGGAGGGGGCGGCCCGGGCCCGCCAGGACTACTTCC  
ACGCCGCGCGGGCAGCCGACCGCTGCCTACCAGGCCGCCACCTCCTCCGCACCCCTCCGCTCCGCC  
GCCGCTCCCCCTGCGGCGGGATTGCCTGTACGGGGAGCCCGGAAGTTTTACGGATACGATAACTTA  
CAGAGACAGCCGATTTTTACGACCCAGCAAGAGCCGAGCTGGTACAATATCCTGACTGTAATCGTCCA  
GTGGTAATATTGGCGAGGACCCAGACCACTTAAATCAGAGCTCGTCTCCTTCTCAAATGTTTCCCTGGAT  
GAGACCACAAGCTCCTGGTAGACGGAGAGGAAGACAACTACAGTCGCTTCAAACCTAGAGTTGGAA  
AAGGAATTCCTTTTTAACCTTATCTGACCAGGAAGAGGAGAATCGAGGTCTCCATACTCTGGCCCTCA  
CGGAGAGACAGGTAATAATCTGGTTCAGAACAGGAGAATGAAATGAAAAAGGAGAACAACAAAGACAA  
GTTTCTGCGTCCCGCCGAGGCAAGGATGGAGACCCCAAAAAGGAAGTCTCGGGCTGGAAGAAGAC  
GGAGCTGAAGGCTGCCCCACAAAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001290730  
**Insert Size:** 867 bp



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<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001290730.1</a></u> , <u><a href="#">NP_001277659.1</a></u>
<b>RefSeq Size:</b>	2052 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	15437
<b>Cytogenetics:</b>	2 44.13 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' terminal exon, compared to variant 1, resulting in an isoform (b) that is 1 aa shorter than isoform a.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>