

## Product datasheet for **MG216599**

### Hoxd1 (NM\_010467) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hoxd1 (NM\_010467) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Hoxd1  
**Synonyms:** Hox-4.9  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG216599 representing NM\_010467  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCTCTTACCTGGAGTACGTGTCGTGCGCCGCGGGCGGTGGCAGCGGAGGGGTAGCGGGCAGCTGC  
 TCGGCTTCGCACCCAAGTTCTGCCGCGCCGACGCGCCCTGTGGCCCTGCAGCCGGCCTCCCCCTGGG  
 CAGCGGAGACGGCGCCTTCGTGAGCTGCCTGCCCTGGCCACCGCTCGGCCACGCCGTCGCTCCCGCA  
 GGCCCCGCTCAGTCCCCGGTCCACAGCCCGCCGCGCCCGGTACGCGCCCTGCACCCTGGAAGGCGCT  
 ACGAGCGGGGCGCCGACCTGCCTCTGCCGCGGAGTATGGCTTCTGGGGTCCGGCCGGCGTTTGACTT  
 CCGGGGCGCACTTGGGAGAGCGGCGGACGAGGGCGGGGCGCACGTCCACTATGCCACCTCGCGGTCTTC  
 TCCGGCGGGGATCATTCTGCTCAGCGGCCAGGTGGACTTCGCTGCCTTTGGCGAGCCTGGCCCCCTCC  
 CCGCGTGTCTCAAGGAGCCCGCAGACGGCCACCCCGGGCCCTTTCAGACTGTGTCCCGGCCCTGGAGC  
 CTGCCCAAGCCGGCCTCTCCACCTCCAGCCTCCCGGCCCCACAGCACTTTCGAGTGGATGAAAGTG  
 AAGAGGAACGCCCAAGAAAAGCAAATGTCCGAATATGGAGCCACAAGCCCTCCAGTGCCATCCGCA  
 CAAATTCAGCACCAAGCAACTGACAGAGCTAGAGAAAGAGTTTCATTTCAATAAGTACCTAACTAGAGC  
 CCGACGCATCGAGATAGCCAAGTGTACAGCTGAATGACACCCAGGTCAAATCTGGTCCAGAACCCT  
 AGGATGAAGCAGAAGAAGAGGGAACGAGAGGGGCTTCTGGCCACAGCTGCCTCTGTGGCCTCGATTAAGC  
 TTCCCGGTGAGAAACAAGTCCCATCAAATCTGGCCGGAATCTAGGAAGCCCTTCTCAGGCTCAAGAGCC  
 TTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216599 representing NM\_010467  
 Red=Cloning site Green=Tags(s)

MSSYLEYVSCAAGGGSGGVGGDVLGFAPKFCRADARPVALQPAFPLGSGDGAFVSCPLPLATARPTSPSPA  
 GPAQSPVPQPAAPRYAPCTLEGAYERGAAPASAAEYGLGSGPAFDFFPGALGRAADEGGAHVHYATSAVF  
 SGGGSFLLSGQVDFAAFGEPPFPAACLKEPADGHPGPFQTVSPAPGACPKPASPTSSLPAAHSTFEWMKV  
 KRNAPKSKLSEYGATSPPSAIRTNFSTKQLTELEKEFHFNKYL TRARRIEIANCLQLNDTQVKIWFQNR  
 RMKQKKREREGLLATAASVASIKLPRSETSPIKSGRNLGSPSQAQEPS

TRTRPLE - GFP Tag - V

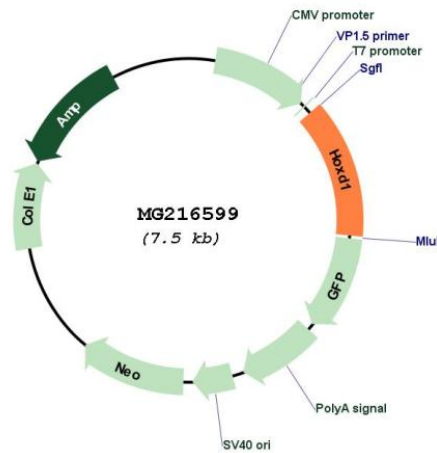
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_010467

**ORF Size:** 984 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_010467.2</a> , <a href="#">NP_034597.2</a>
<b>RefSeq Size:</b>	1878 bp
<b>RefSeq ORF:</b>	987 bp
<b>Locus ID:</b>	15429
<b>UniProt ID:</b>	<a href="#">Q01822</a>
<b>Cytogenetics:</b>	2 44.13 cM
<b>Gene Summary:</b>	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Acts on the anterior body structures.[UniProtKB/Swiss-Prot Function]