

## Product datasheet for **MG205074**

### Hoxd9 (NM\_013555) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hoxd9 (NM\_013555) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Hoxd9  
**Synonyms:** Hox-4.4; Hox-5.2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG205074 representing NM\_013555  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGTCAGTGGCACCCCTCAGCAACTACTACGTGGACTCGCTCATAGGCCATGAGGGCGACGAGGTGT  
 TCGCCGCGCGCTTTGGGCCACCGGGGCCGGGACACAGGGCCGGCCGCAGGTGTGGCCGATGGCCAGC  
 CGCCGCCACCGCCGAGTTCGCTCGTGTAGTTTGGCCCAAATCGTCCGTGTTCTCCGCTCGTGGTCC  
 GCGGTGGCCGCCAGCCCCGGCGGCGGACGATGAGCGGCTGTACCACCCGTACGTGTCCCCGGCCG  
 CCCTGGTTCGCGGAGCCGGGACGCTACGTACGCTCCTGGATGGAGCCGCTGCCCGGCTTCCCCGGCGG  
 CGCAGGCGGTGGCGGTGGCAGTGGTGGCGCGGTGGCGGAGGCCGGGTCCCGTTCCAGCCCCGGTGGC  
 CCAGCCAACGGGCGCCACTACGGGATTAAGCCTGAAACCGGAGCGGCCCGGGCCCCGCTGCAGCCTCCA  
 CCTCCTCCTCCTCCACCTCCTCGTCTCCTCCTCAAAGGACTGAGTGTCCGCGGCCCGCGAGTCC  
 CCAGGGGAGCGGCGGCCAGAAATCCCGTGCAACTCGTTCCTGCGGGACAAGGCAGCGGCGGCGACAGGG  
 AACGGGCCCGGGTGGGAATCGGGACCGGGCCAGGGCGGTAGGCTCGTCCGAGCCCTCAGTTGCAGCG  
 ATCACCCGAGCCCGGCTGCTCGCTGAAGGAGGAGGAGAAGCAGCCGCCGAGCCGCCGAGCAGCAACT  
 TGACCCAAACAACCCTGCAGCGAACTGGATCCACGCTCGCTCCACCCGAAAAAGCGTGTCCCTACACC  
 AAATACCAGCGCTAGAGCTGGAGAAGGAATTCCTTTCAACATGTACCTCACCCGGGACCGGCGTACG  
 AGGTGGCCAGGATTCGAACCTTACAGAGAGACAAGTCAAAATCTGGTTCCAGAACCCTAGGATGAAAAT  
 GAAAAAGATGAGCAAGGAGAAGTGCCTAAAGGAGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205074 representing NM\_013555  
 Red=Cloning site Green=Tags(s)

MSSSGTLSNYYVDSLIGHEGDEVFAARFGPPGPGTQGRPAGVADGPAATAEFASCSFAPKSSVFSASWS  
 AVAAQPPAAATMSGLYHPYVSPPLAAAEPGRYVRSWMEPLPGFPGGAGGGGGSGGGGGGPGVPSPGG  
 PANGRHYGIKPETGAAPAPAAAATSSSSSTSSSSSSKRTECSAARESQQSGGPEFPCNSFLRDKAAAATG  
 NGPGVGIGTGPAGVGSSEPSACSDHPSPGCSLKEEEKQPPQPPQQLDPNNPAANWIHARSTRKKRCPYT  
 KYQTLELEKEFLFNMYLTRDRRYEVARILNLERQVKIWFQNRMMKMKMSKEKCPKGD

TRTRPLE - GFP Tag - V

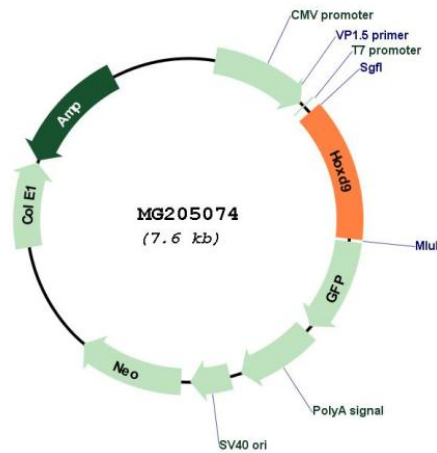
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_013555

**ORF Size:** 1017 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_013555.4</a>
<b>RefSeq Size:</b>	2188 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	15438
<b>UniProt ID:</b>	<a href="#">P28357</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. [UniProtKB/Swiss-Prot Function]