

## Product datasheet for **MC208683**

### Hoxa9 (NM\_010456) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hoxa9 (NM\_010456) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hoxa9  
**Synonyms:** D6a; D6a9; Hox-1.; Hox-1.7  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC208683 representing NM\_010456  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCACCACCGGGCCCTGGGCAACTACTATGTGGACTCCTCCTGCTGGGCGCCGACGCTGCTGATG  
AGCTGGGTGCGGGACGCTACGCTCCAGGGACCCTGGGTCAACCCCAAGGCAGGCGGCAGCTCTGGCCGA  
ACACCCCGACTTCAGTCCTTGCAGCTTCCAGTCCAAGGCGCGGTGTTTGGTGCCTCGTGAACCCAGTG  
CACGCGCGGGCCCAATGCGGTGCCTGCTGCAGTGTATCATCACCACCACCACCCCTACGTGCATCCCC  
AGGCGCCCGTGGCGGGCGCGCGCCGGACGGCAGGTATATGCGCTCCTGGCTGGAACCCACGCCCCGTGC  
GCTCTCCTTCGCGGGCTTACCCTCCAGCCGGCCTTATGGCATTAAACCTGAACCGCTCTCGGCCAGAAGG  
GGTACTGTCCCACGCTTGACACTCACACTTTGTCCCTGACTGACTATGCTTGTGGTTCTCCTCCAGTTG  
ATAGAGAAAAACAACCCAGCGAAGGCGCCTTCCGAAAAAATGCCGAGAATGAGAGCGGGGAGACAA  
GCCCCCATCGATCCCAATAACCCGGCTGCCAAGTGGCTACATGCTCGCTCCACTCGGAAGAAGCGATGC  
CCCTACACAAAACACCAGACGCTGGAAGTGGAGAAGGAGTTTCTGTTTAAACATGTACCTCACACGGGACC  
GCAGGTACGAGGTGGCCCGGCTGCTCAACCTCACCGAAAGCAGGTCAAGATCTGGTTCCAGAACCAGCAG  
GATGAAAATGAAGAAAATCAACAAGGACCGAGCAAAGACGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_010456  
**Insert Size:** 816 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>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_010456.3</a> , <a href="#">NP_034586.1</a>
<b>RefSeq Size:</b>	3229 bp
<b>RefSeq ORF:</b>	816 bp
<b>Locus ID:</b>	15405
<b>UniProt ID:</b>	<a href="#">P09631</a>
<b>Cytogenetics:</b>	6 25.4 cM
<b>Gene Summary:</b>	<p>This gene is located in a cluster of developmentally and temporally regulated genes on chromosome 6 encoding proteins involved in pattern formation. These proteins contain a characteristic DNA-binding motif called a homeodomain and function in transcriptional regulation. There are four distinct clusters of similar genes on chromosomes 2, 6, 11, and 15. The protein encoded by this gene is important for hematopoiesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the shorter isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>