

## Product datasheet for **SC126053**

### HOXD9 (NM\_014213) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HOXD9 (NM_014213) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXD9
Synonyms:	Hox-4.3; Hox-5.2; HOX4; HOX4C
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_014213 edited  
 CGCGACCAATGGTGGAGGCTGCAGCCTGCGAACTAGTCGGTGGCTCGGGCGCCGGCGGGG  
 AGCTGCTCGGGCGGACAGTGTAAATGTTGGGTGGGAGTGCGGGACGCCTCAAAATGTCT  
 TCCAGTGGCACCTCAGCAACTACTACGTGGACTCGCTTATAGGCCATGAGGGCGACGAG  
 GTGTTTCGGCGCGCTTCGGGCCCGGGGCCAGGCGCGCAGGGCCGGCTGCAGTGTG  
 GCTGATGGCCCGCCACCGCCGCGAGTTCGCCTCGTGTAGTTTTGCCCCAGATCG  
 GCCGTGTTCTCTGCCTCGTGGTCCGCGGTGCCCTCCCAGCCCCGGCAGCGCGGCGATG  
 AGCGGCCCTACCAACCCGTACGTTCCCCCGCCGCCCTGGCCGCCTCTGCCTCCGAGCC  
 GGCCGCTACGTGCCTCTGGATGGAGCCGCTGCCGGCTTCCCGGGCGGTGCGGGCGGT  
 GGCGGTGGTGGTGGAGCGCGGTCCGGGCCGGGTCCCAGCCCTGGCCCCAGCGGCCAG  
 CCAACGGGCTGCCACTACGGGATTAAGCCTGAAACCCGAGCGGCCCGGCCCGCCACG  
 GCCGCTCCACCCTCTCTCTCCACTTCTTATCTCTCTCCAAACGGACTGAG  
 TGCTCCGTGGCCGGGAGTCCAGGGGAGCAGCGGCCCGAGTTCGTGCAACTCGTTC  
 CTGCAGGAGAAGCGGCAGCGGCAGGGGGAAACGGGCCTGGGGCAGGGATCGGGGCC  
 GCGACTGGGACGGCGGGTCTGTCGGAGCCCTCAGCTTGACAGCACCACCCGATCCAGGC  
 TGTTTCGCTGAAGGAGGAGAGAAGCAGCATTTCGACGCCGAGCAGCAACTTGACCCA  
 AACAAACCCCGCCGCAACTGGATCCACGCTCGTCCACCCGAAAAAGCGCTGTCCCTAC  
 ACCAAATACCAGACGCTTGAGCTGGAGAAAAGATTCTCTTCAACATGTACCTCACCCGG  
 GACCCGGCCTACGAGGTGGCCAGGATTCTCAACCTAACAGAGAGACAGGTCAAAATCTGG  
 TTTTCAACCGTAGGATGAAAATGAAAAAGATGAGCAAGGAGAAATGCCCCAAAGGAGAC  
 TGACCCGGCGCGGTGCTGGCGGAGCGCTCAAGGGCAGCGGATTTGTTGTTGTTGCTGTT  
 TTCTTTTTTTTTTTTTTTTTAGATAGAAGTGACTGTGTGGTTGGTCTCTGAGGATTTGG  
 GGGATCTGTATTTGCTCGTTTACGTGTTGGAAAAACCAAGTGGCTTTGGGGTTTCGCC  
 TATCCCACTCCCTCTTTCTCTGCTCCATTGGTTCCTAAGAAATGCTATATTTTGTGAG  
 TGCAAGCTGGCTTGGGGAGCCCTCTTGTGTAATGTCCCCATGTTTCTGAAAAGTGC  
 TGTAGTTTAGTCCCTCACCCCAAGCACTGCCCAAACAGGGGCAAGTGCGCCCAATTC  
 CAAGAATGAAGGCAGAGCGACAACAGTGCAGACACCCCGCTGCTAGCCACGGTGAAGC  
 CCGGGCGGGTTGCCACCAAGTTGCGAAAGCCCTTTCTCAGGGAGCACGCGGGACCTC  
 GGTGGAGATCTCAGTGAGGCTTAGAGGAGCCAGGGCCTCGGGCGGGTGGGGTTGTG  
 CTCAGTGCATTGGACGCGCTGCTCTCCCTGAAGGCTGGGCTCGCGTGG

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_014213 unedited  
 CGGGATCGCGACCATGGTGGAGGCTGCAGCCTGCGAACTAGTCGGTGGCTCGGGCGCCGG  
 CGGGGAGCTGCTCGGGCGGACAGTGTAAATGTTGGGTGGGAGTGCGGGACGCCTCAAAA  
 TGTCTTCCAGTGGCACCTCAGCAACTACTACGTGGACTCGCTTATAGGCCATGAGGGCG  
 ACGAGGTGTTTCGGCGCGCTTCGGGCCCGGGGCCAGGCGCGCAGGGCCGGCTGCAG  
 GTGTGGCTGATGGCCCGGCCGCCACCCGCCGAGTTCGCCTCGTGTAGTTTTGCCCCCA  
 GATCGGCCGTGTTCTCTGCCTCGTGGTCCGCGGTGCCCTCCCAGCCCCGGCAGCGGCGG  
 CGATGAGCGCCCTACCAACCCGTACGTTCCCCCGCCGCCCTGGCCGCCTCTGCCTCCG  
 AGCCCGCCGCTACGTGCCTCTGGATGGAGCCGCTGCCCGCTTCCCGGGCGGTGCGG  
 GCG

**Restriction Sites:** Please inquire

**ACCN:** NM\_014213

**Insert Size:** 2100 bp

**OTI Disclaimer:** 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>	<u><a href="#">NM_014213.2</a></u> , <u><a href="#">NP_055028.2</a></u>
<b>RefSeq Size:</b>	1902 bp
<b>RefSeq ORF:</b>	1029 bp
<b>Locus ID:</b>	3235
<b>UniProt ID:</b>	<u><a href="#">P28356</a></u>
<b>Cytogenetics:</b>	2q31.1
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5' end of this cluster have been associated with severe limb and genital abnormalities. The exact role of this gene has not been determined. [provided by RefSeq, Jul 2008]