

## Product datasheet for **SC320433**

### HOXD1 (NM\_024501) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HOXD1 (NM_024501) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXD1
Synonyms:	Hox-4.7; HOX4; HOX4G
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_024501.1  
 GTTGGAGAGGGCAGCTCGGGTAGAGAGGGCTGGCGGAGCGGCGCAGACGGCGCAGTCTCT  
 GCTCAGCCTCTGCCCCGGCTCCGTACTCCGGCCCCGGCCTGCGCCCTCAGAAAAGTGGGGC  
 CCGAACCATGAGCTCCTACCTGGAGTACGTGTATGCAGCAGCAGCGGCGGGTTCGGCGG  
 CGACGTGCTCAGTTGGCACCCAAGTTCTGCCGCTCCGACGCCGGCCCGTGGCTCTGCA  
 GCCCGCCTTCCCTCTGGGCAACGGCGACGGCGCCTTCGTACGTGTCTGCCCTGGCCGC  
 CGCCCCAGCTCGCTTCGCCCCGGCCGCCCGCGCGGCGCTCCGTACCGCTCCGGC  
 CGCGCCCCAGTACGCGCAGTGCACCCTGGAGGGGCTACGAACCTGGTGCCGCACCTGC  
 CGCGGAGCTGGGGGCGGGACTACGGTCTCTGGGGTCCGGGCCGGCGTACGACTTCCC  
 GGGCGTGTGGGGCGGGCGGCGACGACGGCGGGTCTCACGTCCACTACGCCACCTCGGC  
 CGTCTTCTCGGGCGGGCTCTTCTCCTCAGCGGCCAGGTGGATTACGCGGCCCTCGG  
 CGAACCCGGCCCTTTTTCGGCTTGTCTCAAAGCGTCAGCCGACGGCCACCCTGGTCTTT  
 CCAGACCCGATCCCCGGCCCCAGGCACCTACCCCAAGTCCGTCTCTCCCGCTCCGGCT  
 CCCTGCCGCTTACGACGTTTCAGTGGATGAAAGTGAAGAGGAATGCCTCTAAGAAAGG  
 CAAACTCGCCGAGTATGGGGCCGCTAGCCCTCCAGCGGATCCGCACGAATTTACGAC  
 CAAGCAACTGACAGAAGTGGAAAAAGAGTTTCATTTCAATAAGTACTTAACTCGAGCCCC  
 GCGCATCGAGATAGCCAAGTCTTGACACCTGAATGACACGCAAGTCAAAATCTGGTTCCA  
 GAACCGCAGGATGAAACAGAAGAAAAGGGAACGAGAAGGGCTTCTGGCCACGGCCATTCC  
 TGTGGCTCCCCTCCAAGTCCCTCTCTGGAACAACCCCACTAAGTTTATCAAGAACC  
 CGGCAGCCTTCTCAGTCCCAAGAGCCTTCGTGAGGCCGTAAGTGGGGCCGAAACTG  
 TGGCCTGCAGAAGTCCCAGGCGACCCCATCCCTATCTAGACTTAGGAGCTCAGTTTGGG  
 ATGGAGTGGGAGAACAAAAATGAATAGGGATTTCACTTGGGAAATGAAGTACTTTAGTT  
 GGCTCCGAGTTCAGACTATATGTCCAGATATTAATTGACTGTCTTGTAAAGCCACTTGT  
 TTGGTTATGATTTGTGTCTTATCAGGGAAAAGGTGCCAGCTGCCAGCCAGCTCCGCTG  
 CTATCTTTCCTCACTTAGTGTGCAATTTCGCTTGCAGAGTGGCAGACCATTAGTTG  
 CTGAGTCTGTGACACTCTGATGTGCTCAGAAGACACCTGCCCAAAGTTTTTCTGGTT  
 TTAATTTAAAGGACAAGGCTACATATTCAGCTTTTTGAGATGACCAAAGCTAGTTAGG  
 GTCTCCTGATGTAGCTAAGCTGCTTCAGTGTCTTACATTTGCACTCCAGTTTTTTTT  
 TCTTTAAAAAAGCGTTTCTACCTCTATGTGCCTGAGTGTGATACAATCGTGTTTA  
 GTTACTAGATGAACAAATCCACAGAATGGGTAAAGAGTAGAATCTGAACTATATCTTGAC  
 AAATATTATTCAAAGTGAATGTAATATATACAGTATGTATTTTTTTAAAAAGATTTG  
 CTTGCAATGACCTTATAAGTACATTTAATGTCATAGCATGTAAGGGTTTTTTTTGTAA  
 TAAAAATTATAGAATCTGCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_024501

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_024501.1](#), [NP\\_078777.1](#)

**RefSeq Size:** 1991 bp

**RefSeq ORF:** 987 bp

**Locus ID:** 3231

**UniProt ID:** [Q9GZZ0](#)

**Cytogenetics:** 2q31.1

**Domains:** homeobox

**Protein Families:** Transcription Factors

**Gene Summary:** This gene is a member of the Antp homeobox family and encodes a protein with a homeobox DNA-binding domain. This nuclear protein functions as a sequence-specific transcription factor that is involved in differentiation and limb development. Mutations in this gene have been associated with severe developmental defects on the anterior-posterior (a-p) limb axis. [provided by RefSeq, Jul 2008]