

Product datasheet for **SC112238**

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
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF:

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>OriGene sequence for NM_024501 edited
GAATTCGGCACGAGGAGGGCAGCTCGGGTAGAGAGGGCTGGCGGAGCGGCGCAGACGGCG
GCAGTCTGTCTAGCCTCTGCCCGGCTCCGTACTCCGGCCCCGGCCTGCGCCCTCAGAAA
GGTGGGGCCCAACCATGAGCTCTACCTGGAGTACGTGTATGCAGCAGCAGCGGGGG
GTGGCGGCGACGTGCTCAGCTTGGCACCAAGTTCTGCCGCTCCGACGCCCCGGCCCGTG
GCTCTGCAGCCCCCTTCCCTCTGGGCAACGGCGACGGCGCCTTCGTAGCTGTCTGCC
CTGGCCGCGCCCGACCTCGCCTTCCGCCCGGCGCCCGCCCGCGGCGCGCTCCGTACCG
CCTCCGGCCGCGCCCAAGTACGCGCAGTGCACCCTGGAGGGGGCCTACGAACCTGGTGCC
GCACCTGCCGCGCAGCTGGGGGCGCGGACTACGGCTTCTGGGGTCCGGGCCGGCGTAC
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ACCTCGGCGCTTCTCGGGCGGGCGCTTTTCTCCTCAGCGGCCAGGTGGATTACGGG
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AATGAAGTACTTTAGTTGGCTTCCGAGTTCAGACTATATGTCCAGATATTAATTGACTG
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CTGAACTATATCTTGACAAATATTATTCAAACTGAATGTAATATATACAGTATGTATA
TTTTTTAAAAAGATTTGCTTGAATGACCTTATAAGTGACATTTAATGTCATAGCATGTA
AAGGGTTTTTTTTGTAATAAAAAATTATAGAATCTGCAAAAAAAAAAAAAAAAAAAAAAAC
TCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024501 unedited
 NGTCAGAAATTTGTATACGACTCACTATAGGCGGCCGGAATCGGCACGAGGAGGGCAGCT
 CGGGTAGAGAGGGCTGGCGGAGCGGCGCAGACGGCGGAGTCTGCTCAGCCTCTGCCCC
 GCTCCGTAATCCGGCCCCGGCCTGCGCCCTCAGAAAAGTGGGGCCGAACCATGAGCTCC
 TACCTGGAGTACGTGTATGCAGCAGCAGCGCGGGTTCGGCGGCACGTGCTCAGCTTG
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 TCGCCCCCGGCCGCCCGCGCGCCGTCCTGACCGCCTCCGGCCGCGCCCAAGTACGCG
 CAGTGCACCTGGAGGGGCTACGAACCTGGTCCCGCACCTGCCGCGGACGCTGGGGG
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 GCGGCGGACGACGGCGGCTCTCAGTCCACTACGCCACCTCGGCCGCTTCTCGGGGCG
 GCGGCTCTTCTCCTCAGCGGCCAGGNTGGATTANCGCGGGCCTTCGGCGAACCAGCC
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 TNCCCGGCCAGCACCTACCNCNAAGTNCGTNTCTCCGGCTCCGGCCTCCTGNGCG
 TTCAGACGTTTNGAATGGGATGAAAGGGAANAAGGATGCCTTANAACGGGGNTGGGGT
 TTTTGTGGGGGAAAAACGCTCCCCGGCCAAATCCATGGGGCCTGCCTCAATACACATTG
 GGAAATGGGCCAGCCTTGGCAAATTCGAAAGACTCCTCCGGGAACCTTCTGAAACT
 CCGTTGGGGGGCCCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024501 unedited
 NNGGGTCTTCGTAATATTTTTTATTACAAAAAAACCCTTTACATGCTATGACATTAA
 ATGTCACTTATAAGGTCATTGCAAGCAAATCTTTTTAAAAAATACATACTGTATATATT
 TACATTCAGTTTGAATAATATTTGTCAGATATAGTTCAGATTCTACTTTTACCATT
 CTGTGGATTTGTTTCATCTAGTAATAAACAGCGATTGTATCATCACTCAGGCACATAGAG
 AGGTAGAAACCGCTTTTTTAAAGAAAAAAACTGGAGTGCAAATGTGAAGATCACTGAA
 GCAGCTTAGCTACATCAAGGAGACCCTAACTAGCTTTGGTCATCTCAAAAAGCTGAATAT
 ATGTAGCCTTGTCTTTAAATTAACCAGAAAACTTTGGGCAGGTGCTTCTGAGCA
 CATCAGAGTGTGACAGAACTCAGCAACTAATGGTCTGCCACTCTGCAACGCGAATTGCA
 CATGACTAAGTGAGGCAAAGATAGCAGCGGAGCTGGGCTGGCAGCTGGGCACCTTTCC
 TGATAAGACACAAATCATAACCAAAACAAGTGGCTTACAAGACAGTCAATTAATATGGA
 CATATAGTCTGGAACCTCGAAGCCAACCTAAAGTACTTCAATTTCCCAAGTGAATCCCTAT
 TCAATTTTGTCTCCACCTCCATCCAAACTGAGCTCCTAAGTCTAGATAGGGATGGNG
 GTCGCCTGGGACTTCTGCAGGCCACAGTTTTTCGGCCCCAAGTACCGGCCTCACGAAGGC
 TCTTGGGACTGAGAAGGGCTGCCGNGTTCTTTGATAACTTAGTGGGGTTTGTCCAGAG
 AGGGGAAAGTTGGAAGGAGCCACCAGAATGGCCGTGGCCAGAAGCCCTTCTCGTCCCTT
 TTCTCTGTNATCCTGGCGTTCTGGAACAGATTTGACTGCGTGCATTACAGTGCAGCAG
 T

Restriction Sites:

NotI-NotI

ACCN:

NM_024501

Insert Size:

2250 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).

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]