

Product datasheet for **SC128183**

HOXD8 (NM_019558) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXD8 (NM_019558) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXD8
Synonyms:	HOX4; HOX4E; HOX5.4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_019558.2
 AGAGCCGGGGTTTGTAACCGAGGCCAGAGTGTCCCGTGGGCCGAGCGCACTTTTTTCT
 TGTCCGGGTGCGCTCAGTCACTGGTGCCTGAGAGGAAACAGTGGAGGCAGCGGGGAGGT
 CGCCTGGGGCGTCGGCGATTATATTGCGGCCGAGCCGGGGCGCGCCGGGAAAGGCCGGGA
 GGGCGGCGGCGCGCGGGGGCTGGCGAGGCCCGCGACCCGCGAGGGAGGCGGCGCAAG
 CCGAGGCGGGCGGCGCAAGAGCCGGGCATGAGCGCCAGTAGCTGAGCGCCCGCGCTGC
 CTGGCCTCAGAAGCGCGCGAGCGCGGGCGGGCGGCGAGCAGCGACGTAGCCCGCGGT
 CCCGGCGCGAGAGCAGCCGCCACAGGCCCGCGGCGAGTGCAGCGAGTCGAGGCTC
 GCTCTCTGGCTGCTTAGCGCCGCCCGCCCGCCGGGGCCGCCGCGCTGACGCCCAATG
 AGTTCGTACTTCGTGAACCCGCTGTAACAAGTACAAGCGCGGCTGCGGCGGCGGCG
 GCGGGCGGCGAGGCCATCAATCCCACTTACTACGACTGTCACTTCGCGCCGAGGTGCGC
 GGCCGTACGCGCCGCCGCGAGCAGCCCTGCAGCTCTATGGCAACAGCGCCGCGGCTTC
 CCGCACGCGCCCGCAGGCGCACGCGCACCCGACCCGTCGCCCGCCCTCCGGGACT
 GGGTGCAGCGGTAGGGAAGGCCGGGGCCAGGAGTACTTCCACCCGGCGGGGCGAGCCG
 GCCGCTGCTACCAGGCCGCCCCCTCCTCCTCCGATCCTCCGCTCCGCCGCCACCT
 CCCCCCTGCGGGGGATTGCCTGTACGGGGAGCCCGCAAGTTTTACGATACGATAAC
 TTACAGAGACAGCCGATTTTTACGACCCAGCAAGAGGCCGAGCTGGTACAATATCCTGAC
 TGTAATCGTCCAGTGGTAATATTGGCGAGGACCCAGACCACTTAAATCAGAGCTCGTCT
 CCTTCTCAAAATGTTTCCGTGGATGAGACCACAAGCTCCTGGTAGACGAAGAGGAAGACAA
 ACCTACAGTCGCTTCAAACCTCTAGAGTTGAAAAGGAATTTCTTTTAAACCCTATCTG
 ACCAGGAAAAGAAGATCGAGGTTTCCACGCCCTAGCCCTCACCGAGAGACAGGTAAAA
 ATCTGGTTCCAGAACAGGAGAATGAAATGAAAAAGGAAAACAACAAGGACAAATTTCCC
 GTTCCCGGCGAGGAGGTGAAGGACGGGGAAACGAAAAGGAAGCCCAAGAGCTGGAGGAA
 GACAGAGCCGAAGCCTGACAAATTAACCTTCTACCTTTAAAATTTACCACAGACTATAA
 AACTAATAATCACCATATGCTGTGGACACCACCTATTTTCTTTGTTGAAAGGACCTTAC
 CTGTGTTTCAAGCTACCTTCATGTCACTGCTCTTGAGGTTTTCTGTGCTTTGAGAGGGAT
 TTGGGTGTTTAAAAAGTTTCTAGTATCACATAGAAGCTGCCTTGAGCTGCCTATGGA
 AGGTAATTTGATACTGACCTTGTAGCTATATTTTATAATGGTTTTTAATGTCTGAGCT
 AGTGATTTGCCTCAACAACGTAAACTTCCTAATGATTAGCACTTAATAATTGCATATAAA
 ATGCTTTATTAATTAACAAGTGCCTTGAACATTTTAATTTTGTGGTGAAGTAAATTA
 AAGGAGTTTATTAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI

ACCN: NM_019558

Insert Size: 1870 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_019558.2](#), [NP_062458.1](#)

RefSeq Size: 1879 bp

RefSeq ORF: 873 bp

Locus ID: 3234

UniProt ID: [P13378](#)

Cytogenetics: 2q31.1

Domains: homeobox

Protein Families: ES Cell Differentiation/IPS, Transcription Factors

Gene Summary: 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 in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. In addition to effects during embryogenesis, this particular gene may also play a role in adult urogenital tract function. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Dec 2010]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.