

## Product datasheet for **SC300089**

### HOXD13 (NM\_000523) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HOXD13 (NM_000523) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXD13
Synonyms:	BDE; BDSB; HOX4I; SPD; SPD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300089 representing NM_000523. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCCGCGCCGGGAGCTGGGACATGGACGGGCTGCGGGCAGACGGCGGGGGCGCCGGTGGCGCCCCG
GCCTCTTCCTCTCTCATCGGTGGCGGGCGGGCGGCGTCAAGCCAGTGCCTCGGCTTTCTCTCCGCG
CCTGTGTTCCGCGGGACGCATTCGGGGCGGGCGGGCGGGCGGCAGCGGGCTGCGGGCGGGCGGGCG
GCAGCCTCGGCTTTGCGTACCCCGGGACCTCTGAGCGCACGGGCTTTCCTCGTCGTCCTCTTCT
GCCGTTGTAGCGCGCGCCGGAGGCTCCCCAGCCAAAGAGTGCACAGCACCCACGCTGCAGCGGCC
GCTGCAGCGCCCCGAGCGCTCCAGCGTGGGCTACGGCTACCACTTCGGCAACGGCTACTACAGCTGC
CGTATGTCGACGCGCTGGGCTTACAGCAGAATGCGCTCAAGTATCGCCGACGCGCTCGCTGGGAGGC
TTTCCCGTGGAGAAGTACATGGACGTGTCAAGCCTGGCGAGCAGCAGCGTACCGCCAACGAGGTGCCA
GCGCGAGCCAAGGAGGTATCCTTCTACCAGGGCTATACGAGCCCTTACCAGCACGTGCCCGGCTATATC
GACATGGTGTCCACTTTCGGCTCCGGGGAGCCTCGGCACGAGGCTACATCTCCATGGAGGGGTACCAG
TCCTGGACGCTGGCTAACGGGTGGAACAGCCAGGTGTACTGCACCAAGGACCAGCCACAGGGGTCCCAC
TTTTGAAATCTTCCTTCCAGGGGATGTGGCTCTAAATCAGCCGGACATGTGCGTCTACCGAAGAGGG
AGGAAGAAGAGAGTGCCTTACACCAAATGCAGCTTAAAGAACTGGAGAACGAGTATGCCATTAACAAA
TTCATTAACAAGGACAAGCGCGGCTATCTCGGCTGCTACGAACCTATCTGAGAGACAAGTACCATT
TGGTTTCAGAACCGAAGAGTGAAGGACAAGAAAATTGTCTCAAAGCTCAAAGATACTGTCTCCTGA
ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_000523
Insert Size:	1032 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>OTI Annotation:</b>	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.
<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_000523.3</a>
<b>RefSeq Size:</b>	2341 bp
<b>RefSeq ORF:</b>	1032 bp
<b>Locus ID:</b>	3239
<b>UniProt ID:</b>	<a href="#">P35453</a>
<b>Cytogenetics:</b>	2q31.1
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	36.1 kDa
<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 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. Mutations in this particular gene cause synpolydactyly. [provided by RefSeq, Jul 2008]