

Product datasheet for **SC303126**

HOXB1 (NM_002144) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HOXB1 (NM_002144) Human Untagged Clone
Tag: Tag Free
Symbol: HOXB1
Synonyms: HCFP3; Hox-2.9; HOX2; HOX2I
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002144 edited
 ATGGACTATAATAGGATGAACCTCCTTCTTAGAGTACCCACTCTGTAACCGGGACCCAGC
 GCCTACAGCGCCACAGCGCCCAACCTCCTTTCCCCCAAGCTCGGCTCAGGCGTTGAC
 AGCTATGCAAGCGAGGGCCGCTACGGTGGGGGGCTGTCCAGCCCTGCGTTTCAGCAGAAC
 TCCGGCTATCCCGCCAGCAGCCGCTTCGACCCTGGGGGTGCCCTTCCCCAGCTCCGCG
 CCCTCGGGGTATGCTCCTGCCGCTGCAGCCCAAGCTACGGGCTTCTCAGTACTACCT
 CTGGGTCAATCAGAAGGAGACGGAGGCTATTTTCATCCCTCGAGCTACGGGGCCAGCTA
 GGGGGCTGTCCGATGGCTACGGAGCAGGTGGAGCCGGTCCGGGGCCATATCCTCCGAG
 CATCCCCCTTATGGGAACGAGCAGACCCGAGCTTTGCACCGCCTATGCTGATCTCCTC
 TCCGAGGACAAGGAAACACCCTGCCCTCAGAACCTAACACCCCAAGGCGCCGACCTTC
 GACTGGATGAAGTTAAGAGAAACCCACCAAGACAGCGAAGGTGTCAGAGCCAGGCCTG
 GGCTCGCCAGTGGCCTCCGACCAACTTACCACAAGGCAAGTACAGAACTGGAAAAG
 GAGTTCATTTCAACAAGTACCTGAGCCGGCCCGGAGGGTGGAGATTGCCGCCACCCTG
 GAGCTCAATGAAACACAGGTCAAGATTTGGTTCAGAACCAGCAATGAAGCAGAAGAAG
 CGCGAGCGAGAGGAAGGTCCGGTCCCGCCAGCCCAAGGCTGCCCAAGGAGGCGAGCT
 GGAGATGCCTCAGACCAGTCGACATGCACCTCCCGGAAGCCTCACCCAGCTCTGTACC
 TCCTGA

Restriction Sites: Please inquire

ACCN: NM_002144

Insert Size: 900 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).



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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:	<ol style="list-style-type: none">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_002144.3 , NP_002135.2
RefSeq Size:	1014 bp
RefSeq ORF:	906 bp
Locus ID:	3211
UniProt ID:	P14653
Cytogenetics:	17q21.32
Protein Families:	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 HOXB genes located in a cluster on chromosome 17. [provided by RefSeq, Jul 2008]