

Product datasheet for **SC303490**

HOXB7 (NM_004502) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXB7 (NM_004502) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXB7
Synonyms:	HHO.C1; Hox-2.3; HOX2; HOX2C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_004502 edited CCGGGTATCGTCGACCCACGCGTCCGCGTAAAACCGACACTAAAACGTCCTGCCTACAA ATCATCCGGCCAAATTATGAGTTCATTGTATTATGCGAATACTTTATTTTCTAAATATCC AGCCTCAAGTTCGGTTTTTCGCTACCGGAGCCTTCCCAGAACAAACTTCTTGTCGCTTTC TTCCAACCCCCAGCGCCCGGGCTATGGAGCGGGTTCGGGCGCTTCTTCGCCGCTCGAT GCAGGGCTTGTACCCCGCGGGGGGGCATGGCGGGCCAGAGCGCGCCGGCGCTACGC GGCCGGCTATGGGCTCGAGCCGAGTTCCTTCAACATGCACTGCGCGCCCTTTGAGCAGAA CCTCTCCGGGTGTGTCCCGCGACTCCGCCAAGGCGCGGGCGCCAAGGAGCAGAGGGA CTCGGACTTGGCGCCGAGAGTAACCTCCGGATCTACCCCTGGATGCGAAGCTCAGGAAC TGACCGCAAACGAGGCCCCAGACCTACACCCGCTACCAGACCTGGAGCTGGAGAAAGA ATTTCACTACAATCGCTACCTGACGCGGGCGGGCGCATCGAGATCGCGCACACGCTCTG CCTCACGAAAGACAGATCAAGATTTGGTTTCAGAACCGGCGCATGAAGTGGAAAAGGA GAACAAGACCGCGGGCCCGGGGACCACCGCCAAGACAGGGCTGAAGCAGAGGAGGAAGA GGAAGAGTGAGGGATGGAGAAAGGGCAGAGGAAGAGACATGAGAAAGGGAGAGGAAGAGA AGCCCAGCTCTGGGAACTGAATCAGGAACTCAAATCGAATAGGGAAGTAAAAAACAAA ACAAAAAACAAAAAAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004502 unedited</p> <pre>GTCAGTATTGTATACGACTCATATAGGCGGCCGCGGAATTCCTGGGTATCGTCGACCCAC CGTCCCGGTAACCGACACTAAACGTCCTGCCTACAAATCATCCGGCCAAATTATG AGTTTCATTGTATTATGCGAATACTTTATTTTCTAAATATCCAGCCTCAAGTTCGGTTTTTC GCTACCGGAGCCTTCCAGAACAACTTCTTGTGCGTTTGCTTCAACCCCGAGCGCCG GGGGGGGCATGGCGGGCCAGAGCGCGCCGCGTCTACGCGCCGCTATGGGCTCGAG CCGAGTTCCTTCAACATGCACTGCGCGCCCTTTGAGCAGAACCTTCCGGGGTGTGTCCC GGCGACTCCGCCAAGGCGCGGGCGCAAGGAGCAGAGGACTCGGACTTGGCGCCGAG AGTAACTTCCGGATCTACCCCTGGATGCGAAGCTCAGGAAGTACCGCAAACGAGGCCGC CAGACCTACACCCGCTACCAGACCTGGAGCTGGAGAAAGAAATTTCACTACAATCGCTAC CTGACGCGCGCGCGGCATCGAGATCGCGCACACGCTCTGCCTCACGGNAAGACAGATC AAGATTTGGTTTTTCAGACCGCGCCATGAGTGAAAAAAGGAGAACAGACCGCGGGCCC GGGACCACCCGCCAAGACAGGCTGNAGNCANNAGGAGAAAANAGNAANAATGAGGGGA TNGAGAAAAGGCANNAAGGAGACATGANAAAAGGGAGGAGGAANAGAAACCCACCT CTGGGGACTGAATCAG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004502 unedited</p> <pre>AGNANAGCACTGGGGNAGGGTACAGGGATGCCACCCGGGATCTGTTTCAGGAAACAGCTA TGACCGCGGCCGCCCTTTTTTTTTTTTTTTTTTTTTTTTGTGTTTTGTTTTTTTACTTCCCTATT CGATTTGAGTTTCTGATTCAGTCCCAGAGCTGGGCTTCTCTTCTCTCCCTTCTCAT GTCTTCTCTCTGCCCTTCTCCATCCCTACTTCTCTTCTCTCTCTGCTTCAGCCC TGTCTTGCCGGTGGTCCCGGGCCCGGCTTGTCTCTTTTTTCCACTTCATGCGCC GGTCTGAAACCAATCTTGATCTGTCTTCCGTGAGGCAGAGCGTGTGCGCGATCTCGA TGCGCCGCGCCCGTCAAGTAGCGATTGTAGTAAATCTTTTCTCCAGCTCCAGGGTCT GGTAGCGGGTGTAGGTCTGGCGGCTCGTTTGGCGTCAAGTTCCTGAGCTTCGCATCCAGG GGTAGATCCGGAAGTTACTCTCGCCGCAAGTCCGAGTCCCTCTGCTCCTTGGCGCCCG CCGCTTGGCGGAGTCCCGGGACACACCCCGGAGAGTTCTGCTCAAAGGGCGCGCAGT GCATGTTGAAGGAACTCGGCTCGAGCCATAGCCGGCCGCTAGACGCGCGCCGCGCTCT GGCCCGCATGCCCCCGCGGGGTACAAGCCCTGCATCGAGGCGCGNAAGAAGCGC CCGAACCCGCTCCATANCCCGGCGCTGGGGGGTTGGAAGCAAACGCACAAGAAGTTGT TCTTGAAAGGCTNCNGTAGCGAANAC</pre>
Restriction Sites:	Please inquire
ACCN:	NM_004502
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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_004502.3 , NP_004493.3
RefSeq Size:	1377 bp
RefSeq ORF:	654 bp
Locus ID:	3217
UniProt ID:	P09629
Cytogenetics:	17q21.32
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. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of melanoma and ovarian carcinoma. [provided by RefSeq, Jul 2008]