

Product datasheet for **SC122274**

HOXB7 (BC015345) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXB7 (BC015345) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXB7
Synonyms:	HHO.C1; homeo box 2C; homeo box B7; homeobox B7; homeo box c1 protein; 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 BC015345 edited CGTAAAACCGACACTAAAACGTCCTGCCTACAAATCATCCGGCCAAATTATGAGTTCAT TGTATTATGCGAATGCTTTATTTTCTAAATATCCAGCCTCAAGTTCGGTTTTTCGCTACCG GAGCCTTCCCAGAACAACTTCTTGTGCGTTTGCTTCCAACCCAGCGCCGGGCTATG GAGCGGGTTCGGGCGCTTCCCTTCGCCCTCGATGCAGGGCTTGTACCCGGCGGGGGG GCATGGCGGGCCAGAGCGCGGCCGTCTACGCGGCCGGCTATGGGCTCGAGCCGAGTT CCTTCAACATGCACTGCGCGCCCTTTGAGCAGAACCTCTCCGGGGTGTGTCCCGGCGACT CCGCCAAGGCGGGCGGCCAAGGAGCAGAGGGACTCGGACTTGGCGGCCGAGAGTAACT TCCGGATCTACCCTGGATGCGAAGCTCAGGAAGTACCGCAAACGAGGCCGCCAGACCT ACACCCGCTACCAGACCTGGAGCTGGAGAAAGAATTTCACTACAATCGCTACCTGACGC GGCGGGCGGCATCGAGATCGCGCACACGCTCTGCCTCACGGAAGACAGATCAAGATTT GGTTTCAGAACCGGCGCATGAAGTGAAAAAGGAGAACAAGACCGGGCCCGGGGACCA CCGGCCAAGACAGGGCTGAAGCAGAGGAGGAAGAGGAAGAGTGAAGGATGGAGAAAGGGC AGAGGAAGAGACATGAGAAAGGGAGAGGAAGAGAAGCCAGCTCTGGAACTGAATCAGG AAACTCAAATCGAATAGGGAAGTAAAAAACAAAACAAAAACAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC015345 unedited NNAACGCTGCCATTTGTAATACGACTTACTATAGGGCGGCCGCGATTCCCGGGGTATCGT CGACCTTGCCTCCGCGTAAAACCGACACTAAAACGTCCCTGCCTACAAATCATCCGGCCA AATTATGAGTTTCATTGTATTATGCGAATGCTTTATTTTCTAAATATCCAGCCTCAAGTTC GGTTTTCGCTACCGGAGCCTTCCAGAACAACTTCTTGTGCGTTTGCTTCCAACCCCA GCGCCCGGGCTATGGAGCTGGTTCGGGCGCTTCTTCGCCGCTCGATGCAGGGTTGTA CCCCGGCGGGGGGCATGGCGGGCCAGAGCGCGCCGCGCTACGCGGCCGGCTATGG GCTCGAGCCGAGTTCCTTCAACATGCACTGCGCGCCCTTTGAGCAGAACCCTCCTCCGGGT GTGTCGCCGCGACTCCGCAAGGCGGCGGCCAAGGAGCAGAGGGACTCGGACTTGCC GGCCGAGAGTAACCTCCGGATCTACCCCTGGATGCGAAGCTCATGAACTGACCGCAAACG AGGCCGCCAGACCTACACCCGCTACCAGACCCTGGAGCTGGAGAAAGAATTTACTACAA TCGCTACCTGACGCGCGCGCGCATCGAGATCGCGCACACGCTCTGCCTCACGAAAG ACAGATCAAGATTTGGTTTCAGAACCGGCGCATGAAGTGGAAAAAGGAGAACAAGACCGC GGCCCGGNGACCACCGCCAAGACAGGNCTGAGCATAGGATGAATATGAAGAGTGAGG GATGGAGAAAGGGCANNAGGAGACATGAGAAAGGGAGGAAGAGAATCCCAGCTCTG GGAAGTGAATCAGGAACTCANNATCGATAGGGAAGTAAAAACCAACCCNAAAACAAAN AAAAA
Restriction Sites:	Please inquire
ACCN:	BC015345
Insert Size:	837 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:	<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:	<u>BC015345.1</u> , <u>AAH15345.1</u>
RefSeq Size:	837 bp
Locus ID:	3217
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]