

Product datasheet for **SC305090**

HOXB8 (NM_024016) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXB8 (NM_024016) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXB8
Synonyms:	Hox-2.4; HOX2; HOX2D
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_024016 edited GCCTCAAATTC AATAAAATGAGCTCTTATTTTCGTCAACTCACTGTTCTCCAATACAAA ACCGGGGAGTCCCTGCGCCCAATTATTATGACTGCGGCTTCGCCAGGACCTGGGCGGC CGACCCACCGTGGTGTACGGTCCCAGCAGCGGCGCAGCTTCCAGCACCGTCGCAAATC CAGGAGTTCTACCACGGGCCGTGCTGCTGTCCACGGCTCCCTACCAGCAGAACCCGTGC GCCGTGGCGTGCCACGGGGACCCGGCAATTTCTACGGCTACGACCCGCTGCAACGCCAG AGCCTATTCGGTGCGCAGGATCCAGACCTGGTGCAGTACGCAGACTGCAAGCTTGCCGCC GCCAGCGGCTGGGCGAGGAGGCCGAGGGCTCCGAGCAGAGCCCGTCGCCACACAGCTC TTCCCCTGGATGCGCCCGCAAGC : : CGCCGGACGCAGGCGAGGCCGACAGACTACAGC CGCTACCAGACCCTGGAGCTGGAGAAGGAGTTCCTATTTAATCCCTATCTGACTCGTAAG CGGCGAATCGAGGTATCGCACGCCCTGGGACTGACAGAGAGACAGGTCAAATCTGGTTC CAGAACC GGAGGATGAAGTGGAAAAAGAGAACAACAAAGACAAGTTCCCAGCAGCAAA TGCGAGCAGGAGGAGCTGGAGAAACAGAAGCTGGAGCGGGCCCCAGAGGCGGCGGACGAG GGCGACGCGCAGAAGGGCGACAAGAAGTAGGCTTCAGCTGGGACTGCCA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024016 unedited GAGCCGCGNNAATTCGCCTCAAAATTCATAAAATGAGCTCTTATTTTCGTCAACTCACTG TTGCTCCAAATACAAAACCGGGGAGTCCCTGCGCCCAATTATTATGACTGCGGCTTCGC CCAGGACTGGGCGGCCGACCCACCGTGGTGTACGGTCCCAGCAGCGGGCAGCTTCCA GCACCCGTCGCAAATCCAGGAGTTCTACCACGGGCGTCGTCGCTGTCCACGGCTCCCTA CCAGCAGAACCCGTGCGCCGTGGCGTGCCACGGGACCCCGGCAATTTCTACGGCTACGA CCCGTGCAACGCCAGAGCCTATTCGGTGCGCAGGATCCAGACCTGGTGCAGTACGCAGA CTGCAAGCTTGCCGCGCCAGCGCCTGGGCGAGGAGGCNCGAGGGCTCCGAGCAGAGCC CGTCGCCACACAGCTCTTCCCCTGGATGCGCCCGCAAGCCGCCGACGCAGGCGAGGCC GACAGACTACAGCCGCTACCAGACCTGGAGCTGGAGAAGGAGTTCCTATTTAATCCCT ATCTGACTCGTAAGCGGCGAATCGAGGTATCGCACGCCCTGGGACTGACAGAGAGACAGG TCAAAATCTGGTCCAGAACCGGAGGATGAAGTGGAAAAAGAGAACAACAAAGACAAGT TCCCCAGCAGCAAATGCGAGCAGGAGGACTGGAGAAACAGAAGCTGGAGCGGGCCCAN AGCGGCGGACGAGGGCGACGCGCANAAGGGCGACNAGAAGTAGGCTTCAGCTGGGACTGC CACTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGATCCCCGGTGGA TT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_024016 unedited NNCCCCATCGGGATGGCAACTCCAGGNCCAGNANAGCACTGGGGNAGGGTCACAGGGA TGCCACCCGGGCTCTGTTCCAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTG GCAGTCCCAGCTGAAGCCTACTTCTTGTGCCCCTTCTGCGCGTCGCCCTCGTCCGCCGC TCTGGGGCCCGCTCCAGCTTCTGTTTCTCCAGCTCCTCCTGCTCGCATTTGCTGTGGGG AACTTGTCTTTGTGTTCTCTTTTTTCCACTTCATCCTCCGGTTCTGGAACCAGATTTTG ACCTGTCTCTGTGTCAGTCCCAGGGCGTGCATACCTCGATTGCGCGCTTACGAGTCAGA TAGGGATTAAATAGGAACTCCTTCTCCAGCTCCAGGGTCTGGTAGCGGCTGTAGGTCTGT CGGCCTCGCTGCGTCCGGCGGCTTGGGGCGCATCCAGGGGAAGAGCTGTGTGGGCGAC GGGCTCTGCTCGGAGCCCTCGGCCTCCTCGCCAGGCCGCTGGCGGCGGCAAGCTTGCA TCTGCGTACTGCACCAGGTCTGGATCCTGCGCACCGAATAGGCTCTGGCGTTGCAGCGGG TCGTAGCCGTAGAAATGCGGGGTCCCCGTGGCACGCCACGGCGCACGGGTTCTGCTGG TAGGGAGCCGTGGACAGCGACGACGGCCCGTGGTAGAACTCCTGGATTTGCGACGGGTGC TGGAAGCTGCCGCGCTGCTGGACCGTACACCACGGTGGGTCGGCCCGCCAGTCTCT GGCGAAGCCGACGTATAATAATTGGGCGCAGGNACTCCCCGTTTTGTATTGGAGA ACAGTGAGTTGACGAAATAGAGCTCATTTATTTGATTTNTGAGCGAATTCGCGCCGC</p>
Restriction Sites:	Please inquire
ACCN:	NM_024016
Insert Size:	800 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_024016.2 , NP_076921.1
RefSeq Size:	1823 bp
RefSeq ORF:	732 bp
Locus ID:	3218
UniProt ID:	P17481
Cytogenetics:	17q21.32
Protein Families:	ES Cell Differentiation/IPS
Gene Summary:	<p>This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in development. Increased expression of this gene is associated with colorectal cancer. Mice that have had the murine ortholog of this gene knocked out exhibit an excessive pathologic grooming behavior. This behavior is similar to the behavior of humans suffering from the obsessive-compulsive spectrum disorder trichotillomania. [provided by RefSeq, Jul 2008]</p>