

Product datasheet for **SC303127**

HOXB2 (NM_002145) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXB2 (NM_002145) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXB2
Synonyms:	Hox-2.8; HOX2; HOX2H; K8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002145 edited

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CTCCCCCACCATTGAAAGCCATGAATTTTGAATTTGAGAGGGAGATTGGGTTTATAAACA
GCCAGCCGTCGCTCGCCGAGTGTCTGACTTCCTTCCCCGCTGTCTTGGAGACATTTCAAA
CTTCATCAATCAAGGAGTCGACATTAATTCCTCCTCCTCCTTTCGAGCAAACCTTCC
CCAGCCTCCAGCCCGGCCCTCCACCCTTCAGAGACCCAGGAGCCAAAAGCGAGCCGAAG
ATGGGCTGTCTGCGCGCCGCGCCGCGCCACTCCCGCTGCCCGCCGCGCCCGG
AGTTCCCTTGGATGAAAGAGAAGAAATCCGCCAAGAAACCCAGCCAATCCGCCACGTCTC
CTTCTCCGGCGCCTCCGCCGTTCCGGCCTCCGGGTCGGATCGCCTGCAGATGGCCTGG
GACTGCCGGAGGCTGGTGGCGCGGGGCGCGCAGGCTGCGCACGGCTTACACCAACACGC
AGCTGCTGGAAGTGGAGAAGGAATTCACCTTTAATAAGTACCTGTGCCGCCACGCCGCG
TCGAGATCGCGCCTTGCTGGACCTCACCAGAAAGGCAGGTCAAAGTCTGGTTTCAGAACC
GGCGCATGAAGACAAGCGGCAGACGCAGCACCGAGAGCCGCGGATGGGGAGCCTGCCT
GCCCCGGAGCCCTGGAGGACATCTGCGACCTGCGGAGGAACCCGCGGCCAGCCGGGCG
GCCCCCTCCGCCTCGCGGGCGGCGTGGGAAGCCTGCTGTACCCGCGCGAGGTGGTGCCGG
GGGCTTAAGCGCGGACCCCGGCTTTAGCCGTTTCGCTTAGAGGGCGCAGGCGCGTCA
GTCCCGGCTGCGCGTGCAGCGGGCGGCGGCTGGAGCCCGGGCCATTGCCAGAAGACG
TCTTCTCGGGGCGCCAGGATTACCTTTCTTCCCGACCTCAACTTCTTCGCGGCCGACT
CCTGTCTCCAGCTATCCGGAGGCCTCTCCCTAGCCTACAGGGTTCTCTCGACAGCCCGG
TCCCTTTTCCGAGGAAGAGCTGGATTTTTTACCAGTACGCTCTGTGCCATCGACCTGC
AGTTTCCCTAACCTGTTTCTCCTCCCGGT
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Restriction Sites:	Please inquire
ACCN:	NM_002145
Insert Size:	1100 bp



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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 ORF of this clone has been fully sequenced and found to be a perfect match to NM_002145.3.
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>NM_002145.3, NP_002136.1</u>
RefSeq Size:	1614 bp
RefSeq ORF:	1071 bp
Locus ID:	3212
UniProt ID:	<u>P14652</u>
Cytogenetics:	17q21.32
Gene Summary:	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 pancreatic cancer. [provided by RefSeq, Jul 2008]