

Product datasheet for **SC303128**

HOXB3 (NM_002146) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXB3 (NM_002146) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXB3
Synonyms:	Hox-2.7; HOX2; HOX2G
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_002146 edited ATGCAGAAAGCCACTACTACGACAACGCCGCGGCTGCTCTCTTCGGAGGCTATTCTCG TACCCTGGCAGCAATGGCTTCGGCTTCGATGTCCCCCCCCAACCCCATTTTCAGGCCGC ACGCACCTGGAGGGGCACTACCAGCGCTCAGCTTGCTCGCTGCAGTCCCTGGGCAACGCT GCCCCACATGCCAAGAGCAAGGAGCTCAACGGCAGCTGCATGAGGCCGGGTCTGGCCCC GAGCCCTGTTCGGCCCCGCTGGCTCACCCCGCCAGTGCCGCACCTACCAGTGCCACT AGCAACAGCAGTAATGGGGGCGGGCCAGCAAAAGTGGTCCCCAAAGTGCGGTCCCGGC ACCAACTCCACCCTACCAAACAGATATCCCCTGGATGAAAGAGTCGAGGCAAACGTCC AAGCTGAAAAACAACTCCCCGGCACAGCAGAGGGCTGTGGTGGCGGGCGGGTGGCGGC GGCGGGGAGGCAGTGGTGGCAGCGGGGGCGGTGGCGGGCGGGGGAGGGGACAAG AGCCCCCGGGTCCGCGCGTCCAAGCGGGCGGACGGCGTACACGAGCGCGCAGCTG GTGGAGCTGGAGAAGGAGTTCCATTTAAACCGCTACCTGTGCCGGCTCGCCGTGTAGAG ATGGCCAACCTGCTGAACCTCAGCGAGCGGCAGATCAAGATCTGGTTCCAGAACCGGCGC ATGAAGTACAAGAAGGACCAGAAGGCCAAGGGATTGGCCTCGTCGTCGGGGGGCCATCT CCAGCCGGCAGCCCCCGCAGCCATGCAGTCCACGGCCGGCTTCATGAACGCCTTACAC TCCATGACCCCCAGCTACGAGAGCCCGTCCCCACCCGCTTCGGTAAAGCCCACCAAGT GCCTACGCGTGCCTCCAACCTACCAGCCCCCTCTCAAAGGCTGCGGGCGCCCCGAGAAG TACCCTCCGACCCCGGCGCCCGAGTATGAGCCGCACGTCTCCAAGCCAACGGGGGCGCC TACGGGACGCCCCACCATGCAGGGCAGTCCGGTGTACGTGGGGGGGGCGGCTACGGCGAT CCGCTGCCGCCCCCTGCCGGCCCCCTCCCTCTATGGCCTCAACCACCTTTCCCATCACCT TCCGGGAACCTGGACTACAACGGGGCGCCCCATGGCGCCAGCCAGCACACGAGCC TGCGAACCCACCCACCTACACAGACCTCCTCTCACCACGCGCTCCTCCTCAGGGT AGAATCCAAGAAGCGCCCAAATTAACACACCTGTGA
Restriction Sites:	Please inquire
ACCN:	NM_002146



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Insert Size:	2800 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:	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_002146.4 , NP_002137.4
RefSeq Size:	3627 bp
RefSeq ORF:	1296 bp
Locus ID:	3213
UniProt ID:	P14651
Cytogenetics:	17q21.32
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 a distinct biologic subset of acute myeloid leukemia (AML). [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>