

## Product datasheet for **SC319954**

### HOXB13 (NM\_006361) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HOXB13 (NM\_006361) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** HOXB13  
**Synonyms:** HPC9; PSGD  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_006361.5  
GCTTTGGATTCCCCGGCTGGGTGGGAGAGCGAGCTGGGTGCCCCCTAGATCCCCCG  
CCCCGCACCTCATGAGCCGACCCTCGGCTCCATGGAGCCCGCAATTATGCCACCTTGA  
TGGAGCCAAGGATATCGAAGCTTGTCTGGGAGCGGGAGGGGGCGGAATCTGGTCGCCCA  
CTCCCCTCTGACCAGCCACCCAGCGGCCTACGCTGATGCCTGTCTCAACTATGCCCC  
CTTGGATCTGCCAGGCTCGGCGGAGCCGCAAAGCAATGCCACCCATGCCCTGGGGTGCC  
CCAGGGGACGTCCCCAGCTCCCGTGCCTTATGGTTACTTTGGAGGCGGGTACTACTCCTG  
CCGAGTGTCCCGGAGCTCGCTGAAACCCTGTGCCAGGCAGCCACCCTGGCCGCTACCC  
CGCGGAGACTCCCAGGCCGGGAAGAGTACCCAGCCGCCCCACTGAGTTTGCCTTCTA  
TCCGGGATATCCGGGAACCTACCAGCCTATGGCCAGTTACCTGGACGTGTCTGTGGTGCA  
GACTCTGGGTGCTCCTGGAGAACCAGCAGATGACTCCCTGTTGCCTGTGGACAGTTACCA  
GTCTTGGGCTCTCGCTGGTGGCTGGAACAGCCAGATGTGTTGCCAGGGAGAACAGAACCC  
ACCAGGTCCCTTTTGAAGGCAGCATTTCAGACTCCAGCGGGCAGCACCCCTCCTGACGC  
CTGCGCCTTTCGTGCGGCCGCAAGAAACGCATTCCGTACAGCAAGGGGAGTTGCGGGGA  
GCTGGAGCGGGAGTATGCGGCTAACAAGTTCATCACCAAGGACAAGAGGGCGCAAGATCTC  
GGCAGCCACCAGCCTCTCGGAGCGCCAGATTACCATCTGGTTTCAGAACCGCCGGGTCAA  
AGAGAAGAAGTTCTCGCCAAGGTGAAGAACAGCGCTACCCCTTAAGAGATCTCCTTGCC  
TGGGTGGGAGGAGCGAAAGTGGGGTGTCTCTGGGAGACCAGGAACCTGCCAAGCCGAGG  
CTGGGGCCAAGGACTCTGCTGAGAGGCCCTAGAGACAACCCCTCCCAGGCCACTGGC  
TGCTGGACTGTTCTCAGGAGCGCCTGGGTACCCAGTATGTGACGGGAGACGGAACCCC  
ATGTGACAGCCCACTCCACCAGGTTCCCAAAGAACCTGGCCAGTCATAATCATTTCATC  
CTGACAGTGGCAATAATCAGGATAACCAGTACTAGCTGCCATGATCGTTAGCCTCATATT  
TTCTATCTAGAGCTCTGTAGAGCACTTTAGAAACCGCTTTCATGAATTGAGCTAATTATG  
AATAAATTTGGAAGCGATCCCTTTGCAGGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



[View online »](#)

<b>ACCN:</b>	NM_006361
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_006361.5</a> , <a href="#">NP_006352.2</a>
<b>RefSeq Size:</b>	3047 bp
<b>RefSeq ORF:</b>	855 bp
<b>Locus ID:</b>	10481
<b>UniProt ID:</b>	<a href="#">Q92826</a>
<b>Cytogenetics:</b>	17q21.32
<b>Domains:</b>	homeobox
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

This gene encodes a transcription factor that belongs to the homeobox gene family. Genes of this family are highly conserved among vertebrates and essential for vertebrate embryonic development. This gene has been implicated to play a role in fetal skin development and cutaneous regeneration. In mice, a similar gene was shown to exhibit temporal and spatial colinearity in the main body axis of the embryo, but was not expressed in the secondary axes, which suggests functions in body patterning along the axis. This gene and other HOXB genes form a gene cluster at chromosome the 17q21-22 region. [provided by RefSeq, Jul 2008]