

## Product datasheet for MC212090

### Hoxb2 (NM\_134032) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxb2 (NM_134032) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hoxb2
Synonyms:	AI894218; Hox-2.8; Hoxbes2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212090 representing NM_134032 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGAATTTTGAATTTGAGAGGGAGATTGGGTTTATAAACAGCCAGCCATCGCTCGCCGAGTGTCTGACTT  
CCTTCCCCGCTGTCTTGAGACATTTCAAACCTTCATCAATCAAGGAGTCGACATTAATTCCTCCTCTCC  
TCCTCTGGAGCAAACCTTCCCCAGCCTCCAGCTCGGCGCCTCCACCCTTCAGAGACCAGGGAGCCAAAAG  
CAAGCCGGAGATGGGCTGCTCTGCGGTACCGCCGCCACTCCCCGTGCCCCCAGCCCCGAGTTCC  
CCTGGATGAAAGAGAAGAAATCCACCAAGAAACCCAGCCAATCCGCCGCATCCCCTTCTCCAGCCGCCTC  
CTCGGTCCGGGCTCCGAGGTCCGATCACCATCAGATGGCCCCGATTGCCAGAATGCCGGCGCAGCGGC  
TCCCGCAGACTGCGCACGGCCTACACCAACACGCAACTGCTGGAGCTGGAGAAGGAGTTCCACTTCAATA  
AGTACCTGTGCCGGCCGCTCGCGTCGAGATCGCTGCCTTGCTGGACCTACCGAAAGGCAGGTCAAAGT  
CTGGTTCCAGAACCGACGCATGAAACACAAGCGGCAGACGCAGCATCGAGAGCCGCCGAGGGAGAACCA  
GGCGGGCCGAGCGCCAGGACGACGCGGGAGAGCCAGCCGAGGAACCCACGGTCAGCCCGGGCGACGTGC  
CGACTACCGGCTGCGGGAAGCCTGCTTCCACCCCGCGAGGCCGCGCAGGGACCCCGGGGCGCACCGCC  
GTCAGCGCTGCCTGCCACCACTGGAGAGTGTGGGCGCATCGAGCCCCGGCTGCACAATGCTCAGAGCC  
GGAGGCCGGCAGAGCGAGCCCCACCCGAAGACGCCTGCCCGAGCGGCAGGATTGCCTTTTCTACCGG  
ACCTCAATTTCTTCGCTGCAGACTCCTGTCTCCAGATGTCCGGAGGCCTTTCACCCAGCCTGCAGGGTTC  
TCTCGATAGCCCCGTGCCCTTTTCCGAGGAAGAGCTGGACTTCTTACCAGCACGCTCTGTGCCATCGAC  
TTGCAGTTTCC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1857\\_c05.zip](https://cdn.origene.com/chromatograms/ja1857_c05.zip)



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<b>Restriction Sites:</b>	Sgfl-MluI
<b>ACCN:</b>	NM_134032
<b>Insert Size:</b>	1065 bp
<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>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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">BC138494</a> , <a href="#">AAI38495</a>
<b>RefSeq Size:</b>	1631 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	103889
<b>UniProt ID:</b>	<a href="#">P0C1T1</a>
<b>Cytogenetics:</b>	11 59.85 cM
<b>Gene Summary:</b>	<p>Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.</p> <p>[UniProtKB/Swiss-Prot Function]</p>