

## Product datasheet for **MC206236**

### **Bhlhb2 (BC010720) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bhlhb2 (BC010720) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bhlhb2
Synonyms:	Dec1, Stra13, CR8, Clast5, Sharp2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC010720  
 GCAGAGCGGGAGCCAGAAGCCGTGGGGACACCCGGCCATGCAGCGCCCAACTGAAGCGACACCTCAAAG  
 CCGCTGCTCCTGGCATCCCAGCGCATTGCAAGGAAGCTCAGGCTAGCTCATAGGAACATACCTCTTGAGA  
 CCCTCGGATCCTCCCTCCAGGGGAGCCCTTTCTCAGACTCTACTAAGTGCAGACAGGAGCGCACAGTGG  
 CCCCTGCTCGCCGCATCATGGAACGGATCCCCAGCGCAACCACCTCCTACCTGCCTGCCAAAAGTCC  
 AGGGTGGAGCACGGAGACCTGTCAGGGATGGATTTTCCACATGTACCAAGTGTACAAGTCCAGGCGG  
 GGAATAAAACGGAGCGAAGACAGCAAGGAACTTACAAACTGCCGACCCGGCTGATTGAGAAAAAGAGAC  
 GTGACCGGATTAACGAGTGCATTGCCAGCTGAAGGATCTCTACCCGAACATCTCAAACCTACTACTTT  
 GGGTCACTTGAAAAAGCAGTGGTTCTGGAGCTTACGTTGAAGCACGTGAAAGCATTGACAAATCTAATT  
 GATCAGCAGCAGCAAAAATCATTGCCCTGCAGAGCGGTTTACAAGCTGGTGATTTGTCGGGAAGAAATC  
 TCGAGGCAAGGCAAGAAATGTTCTGCTCAGGTTTCCAGACTTGTGCCGTGAGGACTTCCAGTACCTGGC  
 GAAGCATGAGAACTCGGGACCTGAAATCTTCCAGCTCGTCACTCATCTCCATCGTGTGGTCTCGGAG  
 CTGCTGCAGGGTGGTCTTCCAGAAACCATTGGACTCGGCTCCAAAGCCGTGGACTTGAAAGAGAAGC  
 CCAGTTCCTAGCAAGGGATCAGAAGGCCCTGGGAAAACTGTGTGCCAGTCATCCAGCGGACTTTTGC  
 TCCCTCGGGTGGGAGCAGAGCGGACGTGACACGGACACAGACAGTGGCTATGGAGTGAATTGGAGAAG  
 GGGGACTTGCGCAGTGAAGCAGCCGACTTCAAAAGCGACCATGGACGCAGGTTCCGCGTGGGAGAAGCTG  
 TCAGCACAATTAAGCAAGAAATCCGAAGAGCCCCACCAAAAAGAGCCGATGCAGCTCTCAGAAGAGGA  
 AGGCCACTTCGCGGGCAGTGATCTGATGGGTTCCCAATTTCTTGGGCCACACCCACATCAGCCTCCTTTT  
 TGCCTTCCCTTCTATCTCATCCACCATCGGCCACTGCCTACCTGCCTATGCTGGAGAAATGCTGGTACC  
 CCACCTCTGTGCCAGTGTATACCCAGGCCCTCAACACCTCAGTGCAGCCCTCTCCAGCTTCATGAACCC  
 AGACAAGATACCGACTCCCTTGTCTGCCCCAGAGACTCCCTTCTCCTTTGGCACATTCGTCCTCGAG  
 TCTTCGGCCTTGTCCAGGCTTTGAAGCAGATCCCTCCTTAAACTTAGAAAACCAAGACTAAACTCTGG  
 AGGGATCTCCTGCTGCCTTGTCTTCTTCCCTAATTCCAAAAACCAAGGTTTCCCTGAGTGCAG  
 AGAGATCAGCCACCCTGCAGACCCACAGAGAAGATTACAGAGTGTGTGTGAGAGTGAAGTGTGCGTG  
 CGTGCCTGCTTGTATGTATGTTGTATATGTAGGACAATAAGTTCCTTCTGACACAGGGAGACACGAGA  
 AGGATAGCCTGACATCAGATGACAGACTGGAGGACTGTAGCACATCTCTGGGCGTTTCCCTACCCAGAGA  
 AGAGCCCCCCTTTGATACAAATCGGTTGGATTTTTCATATGCTTCAAAGGCTTGATCTGTGAGTCACTC  
 TCCAGTTTGGGACATGGGCTGTCTGTGGCTTTGAGAAAAGGTTTCAAAGAGGGCTTTCCAGAGCA  
 CAGCTCACAGCCAGCTGTAGGACCCACCCTTCTCCCTTATTGTGGAGGTGACTCACAGCAGACTGAC  
 AGTGGTCAAGGCTGAGCTTCTGCTAAGGTGGTGGTGCAGGTCGCAACACTGGCATGTCTCGGTAGTGGTTGG  
 GCAAAATTTCTGCAGGTCCTTCCCCCAACCCGTCCTGATGAATAAAGACCATGAGTGGAGTTCTTA  
 ACTCAGGCTTTTGTGAGTAGTTTACTAAGGAAGTGAATAAGTGGTCCCTTTGTCCAAGCTGAGCTGCTAGG  
 GAATCAAGGTGAAGTACCCGCTCCTCAGGCTCTGGCACCTGTTTCTAGCTCTCACTTCTACGGCATGC  
 TGTCCAAGGAACCAAGGAGGCTCTCGGAGATGCCCCAAACGTCCCAAAGTACACAGAGCTAAGTAATC  
 AATTGCTACACTATTGCACAGCTAGACACGGATTTCAAGTGTATCCTAAAGCTTTGAACCAAGCTTAGC  
 TTCTCAAAGGCTAGCAGAGCTTTGGCACCCCAAGATCCTTTCTGTAGGCTATTTCTCTTGCCAGCAG  
 TGGATGGAGCGTCTTGTCTAAAAGGTTCCATCTCCTTAAAGGAGCTTTATTTTTGATCCAGAGTCTC  
 CCATTTTTATTTGGGCATAAAAAGTTGTTGCCTTTATTTGTAAGCTGTTATAAATATATATATAAAT  
 ATATGACAAAGGAAAATGTTTCAGATGTCTATTTGTATAAATACTTACTGATCTACACAGTGAAGAAAAAAT  
 GAATGATTTTCTGTTTTTGAAGAGAATAATTTTTTCTCTAGGGAGAGGCGAGGTTACAGTGTATATT  
 TTGAACTTCTGAAGGTGTGAAATTGTAATATTTTTATCTAAGTAAATGTTAAGCAGTGTGTTTTAA  
 AATACTTAATAAAATAAGCTTTTTTCTGTGAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** BC010720  
**Insert Size:** 1236 bp

<b>OTI Disclaimer:</b>	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).
<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="#">BC010720</a> , <a href="#">AAH10720</a>
<b>RefSeq Size:</b>	2917 bp
<b>RefSeq ORF:</b>	1236 bp
<b>Locus ID:</b>	20893
<b>Cytogenetics:</b>	6 E2
<b>Gene Summary:</b>	This gene encodes a basic helix-loop-helix protein expressed in various tissues. The encoded protein can interact with Arntl or compete for E-box binding sites in the promoter of Per1 and repress Clock/Arntl's transactivation of Per1. This gene is believed to be involved in the control of circadian rhythm and cell differentiation. [provided by RefSeq, Feb 2014]