

## Product datasheet for MC207809

### Barhl2 (NM\_001005477) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Barhl2 (NM\_001005477) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Barhl2  
**Synonyms:** E130309B19Rik; MBH1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207809 representing NM\_001005477  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACAGCAATGGAAGGGGCCAGCGGGTCGAGTTTGGAAATAGACTATTTTGTCCGGTGCCGGTTCCG  
 GGAGCCCCGGCATGATGAACGGGATTTCCGATCGCTCGGTGAAGCGAGGACAACGGATTTTAGGAGCCA  
 GGCCACCCCGTCACCCTGTTTCGAGATTGATACCGTGGGAACGGCGCCCTTTCACCGATCTCGGTACC  
 CTGGAACCCCGGAGCCGCATCTTGTGACAGACGACCCAGCATCACCATCACCTCCACCACAGCCAAC  
 AGCCGCCGCCACCATCCGCGGTCCCGCGCAAAGTTTGCAGCCTTCGCCCCAACGCAACCCGCCGCCGA  
 GCCGAGTCAGCAGCCAGCAGCTGGGCTCGGCCGCCCGGCCCCAGGACTTCCACCTCTCTTTTTTA  
 ATTAAGGACATCTTGGGAGACAGCAAACCCCTGGCGGCTTGTGCACCCTACAGCACCAGCGTTTCTTCTC  
 CTCATCACACCCCGAAGCAGGAGAGCAACCGGCCACAGAGCTTCAGGCCAAAGCTTGAGCAGGAGGA  
 CGGCAAAACCAAGCTGGACAAGAGAGAAGACCCCGAGAGCATCAAAATGCCACGGAACAAAGGAGGAA  
 GGAGACCGGGAGATTACAAGTAGCCGAGAGATCCCGCGTGGAGCCAAGAACTCGAAAGGCCAGGA  
 CAGCTTTCTCAGACCACAGCTCAACCAGCTGGAGCGTAGCTTTGAGCGGAGAGTACCTAAGTGTTCCA  
 GGACCGAATGGACTGGCGGCCGCACTCAACCTCACTGACACCCAAGTCAAGACCTGGTACCAGAACCGA  
 AGAACCAAGTGGAAAGCGGCAGACTGCAGTGGGCCTGGAGCTGCTAGCCGAGGCCGGAACTACTCCGCGC  
 TGCAGAGGATGTTTCCGTCGCCTTATTTCTATACCCAAGCCTGCTGGGAGCATGGACAGCACCACGGC  
 GGCGGGCGGCCCGGCCATGTACAGCAGCATGTACCGAACTCCTCCAGCACCTCATCCGAGCTGCAG  
 CGGCCGCTGGTACCCCGCTGCTCATCCAGCCCTGGGCCTGGGGACAGCCGGCCCTCAACCTTTGT  
 CCAACCCATCCCAGGCACCCCGCATCCCGG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001005477
<b>Insert Size:</b>	1155 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>	<u>NM_001005477.1, NP_001005477.1</u>
<b>RefSeq Size:</b>	2329 bp
<b>RefSeq ORF:</b>	1155 bp
<b>Locus ID:</b>	104382
<b>UniProt ID:</b>	<u>Q8VIB5</u>
<b>Cytogenetics:</b>	5 E5
<b>Gene Summary:</b>	Potential regulator of neural basic helix-loop-helix genes. It may down-regulate expression of ASCL1 and, within the thalamus, up-regulate NGN2, thereby regulating distinct patterns of neuronal differentiation (By similarity).[UniProtKB/Swiss-Prot Function]