

## Product datasheet for **MC204658**

### Hal (NM\_010401) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hal (NM_010401) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hal
Synonyms:	his; hist; histidase; Hs; Hsd
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC057637  
 GCCAGCCCTTGGTTACAGTGGCCTGCTGCTCAGAAGGGCTATGCCTAGGTACACAGTGCACGTGCGTGGG  
 GAATGGCTGGCGGTGCCCTGTCAGGATGGGAAGCTCACTGTTGGCTGGCTGGGCCGTGAGGCTGTGCGAC  
 GCTACATGAAGAACAAACCGGACAATGGTGGCTTCACTCCGTGGATGAAGTGAATTCCTTGTGCATCG  
 GTGCAAGGGCCTGGGCCCTGCTGGACAATGAGGACGAGCTGGAGGTGGCCTTAGAGGACAATGAGTTCGTA  
 GAAGTGGTGATTGAAGGTGATGTGATGTCTCCTGATTTTCATTCCGTCGCAGCCAGAAGGAGTTTTCTAT  
 ACAGCAAATACCGGGAGCCTGAAAAATACATTGCCCTAGATGGGGACAGTCTGAGCACAGAGGATCTGGT  
 CAACCTGGGCAAGGGACGTTACAAGATAAAGCTCACTTCGATTGCTGAGAAGAAAGTGCAGCAGTCCCGG  
 GAGGTCATCGACAGCATCATCAAAGAAAGAAGTGTGTTTACGGCATCACACAGTTTTTGGAAAAATTTG  
 CTAGAACTGTAATCCCTGCCAATAAGCTACAGGAGCTTCAAGTCAACTTAGTCCGTTCCCAATTTCTCAGG  
 TGTGGGAAACCACTCAGTCTGAGAGGTGTCGGATGCTCTTGGCTTTGAGGATCAACGTCTTAGCCAAA  
 GGTACAGTGGGATTTCTTGGAGACACTGAAACAAGTATTGAAGCATTTAATGCCTCTGCTGTCTCT  
 ATGTTCCAGAAAGGAAGTGTGGGTGCCAGCGGAGACCTTGCCCACTCTCTCATCTCGCTCTGGGGCT  
 CATCGGAGAAGGAAAGATGTGGTCCCCGAAGAGTGGCTGGCAGATGCTAAATATGTTCTAGAAGCCCAT  
 GGACTGAAACCAATTGTCTTGAACCAAAAAGAAGCCTGGCACTCATCAACGGGACACAGATGATCACTT  
 CCTGGGCTGTGAAGCCCTGGAGCGAGCCAGCGCTATTGCCCGCAAGCTGATATTGTGGCTGCCTTGAC  
 CCTGGAGGTGCTGAAGGGCACCACAAAGCCTTCGATACCGACATCCATGCTGTCCGACCTCACCGCGGG  
 CAAATTGAAGTTGCTTTCCGATTCGGTCCCTCTGGACTCGGATCACACCCATCAGAAATCGCAGAAA  
 GCCACAGGTTCTGCGATCGTGTTCAGGACGCGTACACCTTACGCTGTGTCCACAGGTCCACGGTGTGGT  
 GAACGACACAATAGCCTTTGTGAAGGACATCATCACTACAGAAGTGAACAGCGCCACAGACAATCCTATG  
 GTCTTTGCCAGTCGAGGGGAGACAATTTAGGAGGAACTTCCATGGTGAATACCCAGCCAAAGCCTGG  
 ACTATTTGGCCATTGGTGTCCATGAACTTGCAGCAATAGTGAAGAAGAATCGAAAGGCTGTGTAATCC  
 TTCCCTCAGCGAGCTGCCTGCCTTCTGGTGGCTGAAGGAGGTCTCAATTCTGGGTTTCATGATAGCCCA  
 TGACCCGACAGCCCTGGTGTCTGAGAGCAAGGCTCTGTGCCACCCTCATCTGTGGACTCACTCTCGA  
 CAGTGTGCTACAGAGGACCACGTCTCCATGGGAGGATGGCAGCCAGGAAAGCCTCAGGTCGTGCGA  
 GCACGTGGAACAAGTGTAGCCATTGAGCTTCTCGCGCCTGCCAGGGTATAGAGTTTCTGCGCCCCCTG  
 AAAACAACCACTCCGCTGGAGAAGGTGTACGACCTGGTGCCTCCGTAGTAAGGCCCTGGATAAAAGATC  
 GCTTCATGGCCCCGACATTGAGGCAGCACACAGGTTGCTTCTTGACAAAAGGTTTGGGAGTTGCCGC  
 ACCGTACATCGAGAAATACAGAATGGAGCACATCCAGAATCCAGACCGTTTCTCCAACAGCGTTTCA  
 CTAGAATCTCTCGAAAGAACTCAGCCACAATCCAGAGTCTGACGATCTTAAACGGCTTCTCTGAGGA  
 CAGGCACATCAGATGGGCTGAGCTTAGCACAGCACTGGTGTGTTGATGGAGAGTCTCAGGAACTGCCTG  
 TAATGTGTAAGAACTCATCTCTTTTCAAACATACTCTGGATAGGCCATGGCAGCAATGCAGTGGCTGAAC  
 CAGAACCCTGATCTGTTTTCTGTTACTATGTTTTGAGGAGTACTGGGTGCCTTCTGGTTGTGGAGTTG  
 TCTTTCTGATAATATAAACAGGCTACTTAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_010401

**Insert Size:** 1974 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).

**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:**

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:** [BC057637](#), [AAH57637](#)

**RefSeq Size:** 2284 bp

**RefSeq ORF:** 1974 bp

**Locus ID:** 15109

**UniProt ID:** [P35492](#)

**Cytogenetics:** 10 48.49 cM

**Gene Summary:** This gene encodes a member of the histidase protein family. The encoded protein is a cytosolic enzyme which catalyzes the first reaction in histidine catabolism. Defects in this protein cause histidinemia, which is characterized by increased histidine in blood, urine, and cerebrospinal fluid. [provided by RefSeq, Dec 2015]