

Product datasheet for **RN204895**

Hal (NM_017159) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hal (NM_017159) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hal
Synonyms:	histidase
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204895 representing NM_017159
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCTAGGTACACGGTGCACGTGCGTGGGAATGGCTGGCGGTACCCTGCCAGGACGGGAAGCTCAGTG
 TTGGCTGGCTGGCCCGAGGCTGTGCGCGCTACATGAAGAACAAGCCGACAACGGGGCTTCACCTC
 GGTGGATGAAGTGCATTCTTGTGCGCCGGTGAAGGGCCTGGGCTGTTGGACATGAGGACCTGCTG
 GAGGTGGCCCTGGAGACAATGAGTTCGTAAGTGGTATTGAAGGCGATGTAATGTCTCCTGATTTC
 TTCCATCACAGCCAGAAGCGTTTTCTTTACAGCAAATACCGGAGCCTGAAAAGTACATTGCCTTGG
 TGGGACAGTCTGAGCACGGAGGATCTGGTCAACCTAGGCAAGGACATTACAAGATAAAGCTCACTTCA
 ATAGCTGAGAAGAAAGTGCAGCAGTCCCGGAAGTCATTGACAGCATCAAAAAGAAAGAACAGTTGTTT
 ACGGCATCACCACGGTTTTGGAAAATTTGCCAGAACTGTGATCCCTGCCAATAAGCTACAGGAGCTTCA
 GGTCAACTTAGTCCGTTCCATTCTTCAGGTGTTGGGAAGCCACTCAGTCTGAGAGGTGTCGGATGCTC
 TTGGCTTTGAGGATCAATGTCTTAGCCAAAGGATACAGTGGGATTTCTTGGAGACCCTGAAACAAGTGA
 TTGAAGTATTTAATGCCTCCTGCCTGCTATGTTCCAGAGAAAGGGACCCTTGGTGCCAGCGGAGACCT
 TGCCCCACTCTCCATCTTGCTTTGGGGCTCATTGGAGAAGGAAAGATGTGGTCCCAAAGAGTGGCTGG
 GCCGATGCCAAATATGTCTTAGAAGCCACGGATTGAAACCAATTGTTCTGAAACCAAAGAAGGCTGG
 CACTCATCAACGGGACACAGATGATCACTTCCCTGGGCTGTGAAGCCGTGGAGCGAGCCAGCGCCATTGC
 CCGGAAGCGGATATCGTGGCTGCCTTGACCCTCGAGGTGCTGAAGGGCACCACAAAGCCTTCGATACC
 GACATCCACGCCGTCGCCCTCACCGCGGGCAAATTAAGTTGCTTTCCGGTCCCGTCCCTCTTGACT
 CAGATCACCACCGTCCAGAAATTCAGAAAGCCACAGTTCTGTGATCGTTCAGGATGCGTACACCTT
 ACGCTGCTGCCACAGGTCCACGGTGTGGTGAACGATACAATTGCCTTTGTGAAGGACATCATACCACA
 GAACTGAACAGTGCCACAGACAATCCTATGGTCTTTGCCAGTCCGAGGGAGACAATTTCCGGAGGAACT
 TCCACGGTGAATACCCAGCCAAAGCCCTGGACTATTTGGCCATTGGCGTCCATGAACTTGCAGCAATTAG
 TGAAAGAAGAATCGAAAGGCTGTGTAATCCTTCCCTCAGTGAGCTGCCCGCCTTCTGGTGGCTGAAGGA
 GGTCTCAATTCTGGATTCATGATAGCCACTGTACCGCAGCAGCCCTGGTGTCTGAGAGCAAGGCTCTGT
 GCCACCTTCATCTGTGGACTCACTCTTACCAGTGTGCCACGGAGGACCACGTCTCCATGGGAGGATG
 GGCAGCCAGGAAAGCTCTCAGGGTCATCGAGCACGTGGAACAAGTGTGGCCATTGAGCTTCTCGCGGCC
 TGCCAGGGCATAGAGTTTCTGCGCCCTTGAAAACAACCACTCCGCTGGAGAAGGTGTACGACCTGGTGC
 GCTCCGTAGTAAGGCCCTGGATCAAAGATCGCTTCATGGCCCGGACATCGAGGCCAGCACAGGTTGCT
 TCTTGACCAGAAGTTTTGGGAGGTGGCTGCCCCGTACATCGAGAAATACAGAATGGAGCACATCCGGAA
 TCCAGACCGCTTTCTCCAACAGCGTTTTCACTAGAATCTCTGAGGAAGAATTCAGCCACAATCCCAGAGT
 CTGACGATCTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017159
- 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: [NM_017159.1](#), [NP_058855.1](#)

RefSeq Size: 2136 bp

RefSeq ORF: 1974 bp

Locus ID: 29301

UniProt ID: [P21213](#)

Cytogenetics: 7q13

Gene Summary: catalyzes the conversion of histidine to urocanic acid [RGD, Feb 2006]