

Product datasheet for **RN207470**

Hdc (NM_017016) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdc (NM_017016) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hdc
Synonyms:	MGC156577
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207470 representing NM_017016
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGAGCCCAGTGAATACCGTGAATACCAAGCTAGAGGGAAAGAGATGGTGGATTACATCTGCCAGT
 ACCTGAGCACCCCTGCGGGAGAGGCAGGTGACCCCAAATGTGAAGCCTGGGTACCTGCGAGCCAGATACC
 TTCAAGTGCTCCTGAGGAACCCGACAGCTGGGATAGCATCTTTGGGGACATTGAGCAAATCATCATGCCT
 GGGGTGGTTCAGTGGCAGAGCCCCACATGCACGCCTACTATCCGGCTCTCACCTTTGGCCATCCCTGC
 TAGGAGATATGCTGGCTGACGCCATCAACTGCTGGGGTTCACGTGGGCTCCAGCCCGGCTGCACAGA
 GCTGGAGATGAACATCATGGACTGGCTGGCGAAGATGCTGGGGCTCCCGGACTTCTTCTGCACCACCAT
 CCCAGCAGCCAGGGGGAGGCGTCTTGCAGAGCACTGTCAGCGAATCCACTTTAATTGCCTGCTGGCAG
 CAAGGAAGAACAAAATCCTAGAAATGAAAGCGCATGAGCCCAATGCTGATGAGTCCTCTCTGAACGCTCG
 TCTTGTTCCTATGCCTCTGACCAGGCTACTTTCAGTGGAGAAGGCTGGCTTGATTTCCCTTGTGAAG
 ATCAAATTTCTGCCTGTGGATGACAACCTCTACTCCGAGGAGAAGCTCTCCAGAAGGCCATCGAGGAAG
 ACAAGCAACAGGGCTTGGTGCCTGTGTTGTCTGTGCAACCTTAGGGACCACTGGAGTCTGTGCATTTGA
 TAAGTGTGAGAGCTGGGGCCATCTGTGCCAGGGAGGGACTGTGGCTCCACGTGATGCTGCTTATGCA
 GGAACAGCCTTTCTGTGCCCTGAGCTCCGGGGCTTCTGAAGGGCATTGAGTACGCCGACTCCTTACCT
 TTAACCTTCCAAGTGGATGATGGTGCCTTTGACTGCACTGGGTTCTGGGTCAAGGACAAGTACAAGCT
 ACAGCAGACCTTCAAGTGTGAACCCATCTACCTCAGACATGCGAAGTCTGGTGTGCCACTGACTTCATG
 CATTGGCAGATCCCCTTGGCCGGCGCTTTCGCTCCATTAAGCTGTGGTTGTGATTGCGTCTTCGGGG
 TGAAGAATCTTCAAGCACATGTCAGACACGGTACAGACATGGCTAAATACTTTGAATCTCTGGTCAGGAG
 CGACCCTGTTTTCGAAATTCCTGCTGAGAGGCACCTTGGTCTGGTGGTTTTTCGTCTGAAGGGTCCCAAC
 TGTCTCACAGAAAGTGTGTTAAAGGAAATAGCCAAAAGTGGCCAGGTCTTCTCATCCAGCCACTATCC
 AGGACAAGCTGATCATCCGTTTACCCTGACGTCCAGTTCACCACCAAGGATGACATCCTGAGAGATTG
 GAACCTCATCCGAGAGGCTGCTAACCTTGTCTGAGCCAGCACTGCACTTCTCAGCCGAGCCCTCGGGCC
 AAGAACCTTATCCACCGCCGGTACCAGAGACTCCAAAGACCTGACCAATGGGCTATCCCTGGAGTCTG
 TCAACGAGGGAGGAGATGACCCAGTACAGTCCGGAAGATCTTCAGGCTGCCAGGAGACAGTCTGGAAAC
 GACAATGGATCCCTTTGATGATTGCTTCTCAGAAGAGGCTCCGATACCACCAAGCACAGCTGTGCTCC
 TTTCTGTTCAAGTACTTGTGCGTACAGAAACAAGAAGAACAATGCGGTCCCTCAGTGCACAGTATGC
 CTATGAGTGCCAGAAAGTACCTCCCCAGATGCTTCCGTGAAGCATGGGGGCTTCTCCGGCCAGAAAT
 CTTTTCTGGGTTCCAGAAAGAAATGATGATGATGAAGAAAGTGGCTTAAAAAGCTGATCAAGTCTAC
 AGTGTTCAGCTTCTCTGAATGCAGCTCTCAGTGTGGTACCCTCCAGCTGCCCTGCTGCCCTCTGCAGG
 CCATGGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017016

Insert Size: 1971 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_017016.2](#), [NP_058712.2](#)

RefSeq Size: 2367 bp

RefSeq ORF: 1971 bp

Locus ID: 24443

Cytogenetics: 3q36

Gene Summary: involved in the formation of histamine from its precursor histidine [RGD, Feb 2006]