

Product datasheet for **MC201876**

Hdc (NM_008230) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdc (NM_008230) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hdc
Synonyms:	AW108189; Hdc-a; Hdc-c; Hdc-e; Hdc-s
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC052833 sequence for NM_008230
AAGAGGTAATCCGACAAAGGCGACCAAGAAGCCCTGTTGACAGCTGCCTTCCAGCCTCCTGTCTGTCT
GCCAGGAGGAGCAATCCAAGGGAGATGATGGAGCCCTGTGAATACCGTGAATACCGTGAATACTACCGAG
CTAGAGGGAAAGAGATGGTGGATTACATCTCCCAGTACCTGAGCACTGTGCGGGAGAGGCAGGTGACTCC
AAATGTGCAGCCTGGATACCTGCGAGCCAGCTACCTGCGAGTGTCCCGAGGAACCCGACAGCTGGGAC
AGCATCTTTGGGGACATTGAACGAGTCATCATGCCTGGGGTGGTTCAGTGGCAGAGCCCCACATGCACG
CCTACTACTCCTGCTCTTACCTCATGGCCATCCCTGCTAGGAGACATGCTGGCCGATGCCATTAACCTGCTT
AGGATTCACGTGGGCATCTAGCCAGCTTGCACAGAGCTGGAGATGAACATCATGGACTGGCTGGCGAAG
ATGCTGGGGCTCCCGGAGTACTTCTGCACCACCATCCCAGCAGCCGAGGGGGAGGTGCTTACAGAGCA
CTGTCAGCGAATCCACTTTAATTGCCCTGCTGGCAGCAAGAAAGAACAAAATCCTAGCAATGAAAGCATG
CGAGCCCAGTGTAAAGTCTCCCTGAACGCTCGGCTCGTTGCCTACACCTCTGATCAGGCTCACTCT
TCAGTGGAGAAGGCTGGCTTGATTTCCCTTGTGAAGATCAGATTTCTACCTGTGGACGACAACTTCTCAC
TCCGAGGAGAAGCTCTCCAGAAAGCTATTGAGGAAGACAAGCAACAGGGCTTGGTGCCTGTGTTGTCTG
TGCAACGTTAGGGACTACTGGAGTCTGTGCATTTGACAGGCCGTCAGAAGTGGGGCCCATCTGTGCCAGT
GAGGGACTGTGGCTCCACGTCGATGCTGCTTATGCAGGCACGGCCTTTCTGTGCCCTGAGCTCCGGGGT
TCCTGGAGGGCATCGAGTACGCTGACTCCTCCACCTTTAACCCCTTCCAAGTGGATGATGGTACACTTTGA
CTGTAAGTGGATTCTGGGTCAAGGACAAGTACAAGCTGCAGCAGACCTTTAGTGTGAACCCCATCTACCTC
CGCATGCCAACTCTGGTGCAGCCACGGACTTCATGCATTGGCAGATCCCCTTGAGCCGGTGTCTTCGCT
CCATTAAGCTGTGGTTTGTGATTCGGTCTTCGGGGTGAAGAATCTTCAAGCACATGTCAGACACGGCAC
AGAAATGGCTAAATACTTTGAATCTCTGGTCAGAAGCGACCCCTCCTTCGAAATTCCTGTAAAGGGCAC
CTTGGTTTGGTGGTTTTCCGCTGAAGGGTCTAATTGTCTCACAGAAAGTGTGTTAAAGGAAATAGCCA
AAGCTGGCCAGCTCTTTCTCATCCCGCTACTATCCAAGACAAGCTGATCATCCGTTTCACTGTGACATC
CCAGTTTACCACCAAGGAGGACATCCTGAGAGATTGGCACCTCATCCAAGAGGCTGCTAACCTTGTCTG
AGCCAGCACTGCCTTCCAGCCGAGCCCTCGGGCCAAGAACGTATCCCGCCACCAGGACCAGAG
GGCTATCCCTGGAGTCAGTCAGCGAGGGAGGAGATGACCCAGCACAGGCCCGGAAGATCATCAAGCAGCC
AGGAGCCAGTCTGGCGAGAAGGGAAGGCGGCTCTGATCTGAAACGATGCCGGATCCCTTTGATGATTGC
TTCTCGGAAGAGGCCCAACACCACCAAGCACAAGCTGTGTCCTTTCTGTTCAAGTACTTGTCCGCTCC
AGAACAGGAGGAAGACAACGCGTCCCTCAGCTGCAACAGTGTGCCTATGAGTGGCCAGAAGTCACTCCC
CGCAGACGCTTCACTGAAGAATGGGGCTCCTTCCGGGCCAGAATCTTTCCGGTTCCCAAGCAAAATG
ATGATGATGAAGAAAGGTGCCTTCAAAAAGCTGATCAAGTTCTACAGCGTCCCAGCTTTCTGAAATGCA
GTTCTCAGTGTGCTCGCCAGCTACCGTGTGCCCTCTGGAGGCCATGGTGTAGAGTCTCAATCAGAAATG
CAAGAGTGCCTGTGCTTACAGGAGTTGGGAACCCCTCGAAATTCGCTGCAAGTTGTGTGCTTATTATGT
GTGTGTGCATCTTGGAGGAAGCAAGCCATTATTTGATCATAACCTCACAGGGTCTTCGTGATCCACAA
CAGATTGTAAGTGGGAAGTTAAGCGGGCATGCTCCAGAGGTTGCAGGCGCTTGTGTGATAGAAGGGGCT
GAGACGGTGGCGTGTGAGCTTGTAAATGTGAAAAACAACCTAGAAATAAATTGTGCTTATATCTAAA
ATAAAAAAAAAAAAAAG

Restriction Sites: RsrII-NotI
ACCN: NM_008230
Insert Size: 1989 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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: [BC052833](#), [AAH52833](#)

RefSeq Size: 2397 bp

RefSeq ORF: 1989 bp

Locus ID: 15186

UniProt ID: [P23738](#)

Cytogenetics: 2 61.76 cM

Gene Summary: Catalyzes the biosynthesis of histamine from histidine.[UniProtKB/Swiss-Prot Function]