

Recombinant Human HDC Protein, GST-tagged

Cat. No. HDC-4654H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human HDC full-length ORF (ADR83232.1, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The biogenic amine histamine is an important modulator of numerous physiologic processes, including neurotransmission, gastric acid secretion, and smooth muscle tone. The biosynthesis of histamine from histidine is catalyzed by the enzyme L-histidine decarboxylase (HDC; EC 4.1.1.22). This homodimeric enzyme is a pyridoxal phosphate (PLP)-dependent decarboxylase and is highly specific for its histidine substrate.[supplied by OMIM
Molecular Mass	72.9 kDa
AA Sequence	MMEPEEYRERGREMVDYICQYLSTVRERRVMPDVQPGYLRAQLPESAPEDPDSW DSIFGDIERIIMPGVVHWQSPHMHAYYPALTSWPSLLGDMLADAINCLGFTWASSPA CTELEMNVMDWLAKMLGLPEHFLHHHPSSQGGGVLQSTVSESTLIALLAARKNKILE MKTSEPDADDESCLNARLVAYASDQAHSSVEKAGLISLVKMKFLPVDDNFSLRGEAL QKAIEEDKQRGLVPVFCATLGGTTGVCAFDCLSELGPICAREGLWLHIDAAYAGTAF LCPEFRGFLKGIEYADSFTFNPSKMMVHFDCTGFVVKDKYKLQQTFSVNPIYLRH ANSGVATDFMHWQIPLSRRFRSVKLVWFVIRSFVGNLQAHVRHGTETEMAKYFESLVR NDPSFEIPAKRHLGLVVFRLKGPNCLENTVLKEIAKAGRLFLIPATIQDKLIIRFTVTSQ

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FTTRDDILRDWNLIRDAATLILSQHCTSQPSPRVGNLISQIRGARAWACGTSLQSVSG
 AGDDPVQARKIIKQPQRVGAGPMKRENLHLETLLDPVDDCFSEEAPDATKHKLSS
 FLFSYLSVQTKKKTVRSLSCNSVPVSAQKPLPTEASVKNGGSSRVRIFSRFPEDMM
 MLKKSFAFKLIKFYVPSFPECSSQCGLQLPCCPLQAMV

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [HDC histidine decarboxylase \[Homo sapiens \]](#)

Official Symbol [HDC](#)

Synonyms HDC; histidine decarboxylase; MGC163399;

Gene ID [3067](#)

mRNA Refseq [NM_002112](#)

Protein Refseq [NP_002103](#)

MIM [142704](#)

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UniProt ID

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