

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 CTELEMNVMDWLAKMLGLPEHFLHHHPSSQGGGVQLQSTVSESTLIALLAARKNKILE MKTSEPDADESCLNARLVAYASDQAHSSVEKAGLISLVKMKFLPVDDNFSLRGEAL QKAIEEDKQRGLVPVFVCATLGTGVCAPDCLSELGPICAREGLWLHIDAAYAGTAF LCPEFRGFLKGIEYADSFTFNPSKMMVHFDCTGFVVKDKYKLQQTFSVNPIYLRH ANSGVATDFMHWQIPLSRRFRSVKLVWFVIRSFVKNLQAHVRHGTETMAKYFESLVR NDPSFEIPAKRHLGLVVFRLKGPNCLETENVLKEIAKAGRLFLIPATIQDKLIIRFTVTSQ

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FTTRDDILRDWNLIRDAATLILSQHCTSQPSPRVGNLISQIRGARAWACGTSLSQSVSG
AGDDPVQARKIHKQPQRVGAGPMKRENGHLHLETLDPVDDCFSEEAPDATKHKLSS
FLFSYLSVQTKKKTVRSLSCNSVPVSAQKPLPTEASVKNGGSSRVIRFSRFPEDMM
MLKKSAFKKLIKFYSPSFPECSSQCGLQLPCCPLQAMV

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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