

Recombinant Full Length Human HDC Protein, C-Flag-tagged

Cat. No. HDC-988HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HDC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the group II decarboxylase family and forms a homodimer that converts L-histidine to histamine in a pyridoxal phosphate dependent manner. Histamine regulates several physiologic processes, including neurotransmission, gastric acid secretion, inflammation, and smooth muscle tone.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	74 kDa
AA Sequence	MMEPEEYRERGREMVDYICQYLSTVRERRVMPDVQPGYLRAQLPESAPEDPDSW DSIFGDIERIIMPGVV HWQSPHMHAYYPALTSWPSLLGDMLADAINCLGFTWASSPA CTELEMNVMDWLAKMLGLPEHFLHHHPSS QGGGVLQSTVSESTLIALLAARKNKIL EMKTSEPDADESCLNARLVAYASDQAHSSVEKAGLISLVKMKF LPVDDNFSLRGEA LQKAIEEDKQRGLVPVFVCATLGTTGVCAFDCLSELGPICAREGLWLHIDAAYAGTA FLCPEFRGFLKGIEYADSFTFNPSKWMMVHFDCTGFVWKDKYKLQQTFSVNPIYLR HANSGVATDFMHWQ IPLSRRFRSVKLVFVIRSFVGNLQAHVRHGTETEMAKYFESL VRNDPSFEIPAKRHLGLVVFRLLKGNCLT ENVLKEIAKAGRLFLIPATIQDKLIIRFTVT SQFTTRDDILRDWNLIRDAATLILSQHCTSQSPRVGNL ISQIRGARAWACGTSLSQS

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VSGAGDDPVQARKIIKQPQRVGAGPMKRENGLHLETLLDPVDDCFSEEAPDA TKHK
 LSSFLFSYLSVQTKKKTVRSLSCNSVPVSAQKPLPTEASVKNGGSSRVIRFSRFPED
 MMMLKKSAF
 KKLIKFYSPSPFPECSSQCGLQLPCCPLQAMVTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families Druggable Genome

Protein Pathways Histidine metabolism, Metabolic pathways

Full Length Full L.

GENE INFORMATION

Gene Name HDC histidine decarboxylase [Homo sapiens (human)]

Official Symbol HDC

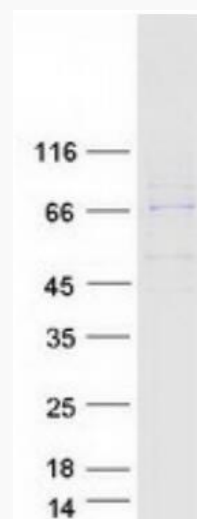
Synonyms MGC163399

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Gene ID	3067
mRNA Refseq	NM_002112.4
Protein Refseq	NP_002103.2
MIM	142704
UniProt ID	P19113



Coomassie blue staining of purified HDC protein.