

Product datasheet for **TP312698L**

Histidine decarboxylase (HDC) (NM_002112) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human histidine decarboxylase (HDC), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC212698 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MMEPEEYRERGREMVDYICQYLSTVRERRVMPDVQPGYLRAQLPESAPEDPDSWDSIFGDIERIIMPGVV
HWQSPHMHAYYPALTSWPSLLGDMLADAINCLGFTWASSPACTELEMNVMDWLAKMLGLPEHFLHHHPSS
QGGGVLQSTVSESTLIALLAARKNKILEMKTSEPDADDESCLNARLVAYASDQAHSSVEKAGLISLVKMKF
LPVDDNFSLRGEALQKAIEEDKQRGLVPVFCATLGTGVCADFCLSELGPICAREGLWLHIDAAYAGTA
FLCPEFRGFLKGIYADSFTFNPSKWMMVHFDCSTGFWVKDKYKLLQQTFSVNIYLRHANSVATDFMHWQ
IPLSRRFRSVKLVWFVIRSFVGNLQAHVRHGTEMAKYFESLVRNDPSFEIPAKRHLGLVVFRLKGNCLT
ENVLKEIAKAGRLFLIPATIQDKLIIRFTVTSQFTTRDDILRDWNLIRDAATLILSQHCTSQPSPRVGNL
ISQIRGARAWACGTSLSVSGAGDDPVQARKIHKPQRVGVGAGPMKRENGLHLETLDPVDDCFSEEAPDA
TKHKLSSFLFSYLSVQTKKKTVRSLSNSVPVSAQKPLPTEASVKNKGSSRVIRFRFPEDMMMLLKSAF
KKLIKFSVPSFPECSSQCGLQLPCCPLQAMV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 74 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

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

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.



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

RefSeq: [NP_002103](#)

Locus ID: 3067

UniProt ID: [P19113](#)

RefSeq Size: 2646

Cytogenetics: 15q21.2

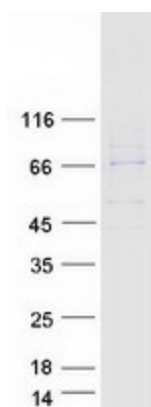
RefSeq ORF: 1986

Summary: 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. [provided by RefSeq, Aug 2010]

Protein Families: Druggable Genome

Protein Pathways: Histidine metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified HDC protein (Cat# [TP312698]). The protein was produced from HEK293T cells transfected with HDC cDNA clone (Cat# [RC212698]) using MegaTran 2.0 (Cat# [TT210002]).