

## Product datasheet for PH312698

### Histidine decarboxylase (HDC) (NM\_002112) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HDC MS Standard C13 and N15-labeled recombinant protein (NP_002103)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212698
Predicted MW:	74.2 kDa
Protein Sequence:	>RC212698 protein sequence Red=Cloning site Green=Tags(s)

MMEPEEYRERGREMVDYICQYLSTVRERRVMPDVQPGYLRAQLPESAPEDPDSWDSIFGDIERIIMPGVV  
HWQSPMHAYYPALTSWPSLLGDMLADAINCLGFTWASSPACTELEMNVMDWLAKMLGLPEHFLHHHPSS  
QGGGVLQSTVSESTLIALLAARKNKILEMKTSEPDADDESCLNARLVAYASDQAHSSVEKAGLISLVKMKF  
LPVDDNFSLRGEALQKAI EEDKQRGLVPVFCATLGTTGVCAFDCLSELGPICAREGLWLHIDAAYAGTA  
FLCPEFRGFLKGI EYADSFTFNPSKMMVHFDCTGFVWKDKYKLLQQTFSVNP IYLRHANSVATDFMHWQ  
IPLSRRFRSVKLVFVIRSFVGNLQAHVRHGTEMAKYFESLVRNDPSFEIPAKRHLGLVFRKGPNC  
LTVLKEIAKAGRLFLIPATIQDKLIIRFTVTSQFTTRDDILRDWNLIRDAATLILSQHCTSQSPSRVGNL  
ISQIRGARAWACGTSLSQSVSGAGDDPVQARKIIKQPQRVGAGPMKRENGLHLETL LDPVDDCFSEEAPDA  
TKHKLSSFLFSYLSVQTKKKTVRSLSCNSVPVSAQKPLPTEASVKNKGSSRVRIFSRFPEDMMLKKS  
AFKKLIKFSVPSFPECSSQCGLQLPCCPLQAMV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002103</a>
RefSeq Size:	2646



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RefSeq ORF: 1986

Locus ID: 3067

UniProt ID: [P19113](#)

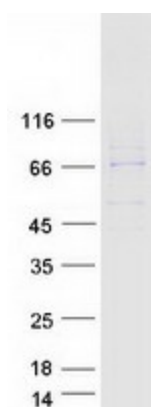
Cytogenetics: 15q21.2

**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]).