

## Product datasheet for **TP312698**

### Histidine decarboxylase (HDC) (NM\_002112) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human histidine decarboxylase (HDC), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC212698 protein sequence

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

**Sequence:**

MMEPEEYRERGREMVDYICQYLSTVRERRVMPDVQPGYLRAQLPESAPEDPDSWDSIFGDIERIIMPGVV  
HWQSPHMHAYYPALTSWPSLLGDMLADAINCLGFTWASSPACTELEMNVMDWLAKMLGLPEHFLHHHPSS  
QGGGVLQSTVSESTLIALLAARKNKILEMKTSEPDADDESCLNARLVAYASDQAHSSVEKAGLISLVKMKF  
LPVDDNFSLRGEALQKAIEEDKQRGLVPVFCATLGTGVCADFCLSELGPICAREGLWLHIDAAYAGTA  
FLCPEFRGFLKGIYADSFTFNPSKWMMVHFDCTGFVWKDKYKLLQQTFSVNIYLRHANSVATDFMHWQ  
IPLSRRFRSVKLVFVIRSFVGNLQAHVRHGTEMAKYFESLVRNDPSFEIPAKRHLGLVVFRLKGNCLT  
ENVLKEIAKAGRLFLIPATIQDKLIIRFTVTSQFTTRDDILRDWNLIRDAATLILSQHCTSQPSPRVGNL  
ISQIRGARAWACGTSLSVSGAGDDPVQARKIKQPQRVGVGAPMKRENGLHLETLDPVDDCFSEEAPDA  
TKHKLSSFLFSYLSVQTKKKTVRSLSNSVPVSAQKPLPTEASVKNKGSSRVRFSPEDMMMLKKSFAF  
KKLIKFSVSPFPECSSQCGLQLPCCPLQAMV

**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

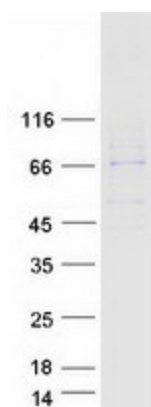
**RefSeq ORF:** 1986

**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]).