



Recombinant Human HDC Protein Product Manual

1. Product Basic Information

Product No.: REP07099

Protein Name: Histidine Decarboxylase (HDC)

Aliases: histidine decarboxylase

UniProt ID: P19113

UniProt Link: <https://www.uniprot.org/uniprotkb/P19113/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length (1-662aa)

Molecular Weight: 76.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-662aa)

MMEPEEYRERGREMVDYICQYLSTVRERRVTPDVQPGYLRAQLPESAPEDPDSW
DSIFGDIERIIMPGVVHWQSPHMHAYYPALTSWPSLLGDMLADAINCLGFTWASSPA
CTELEMNVMDWLAKMLGLPEHFLHHHPSSQGGGVQLQSTVSESTLIALLAARKNKIL
EMKTSEPDADDESCLNARLVAYASDAQHSSVEKAGLISLVKMKFLPVDDNFSLRGEA
LQKAIEEDKQRGLVPVFVCATLGTGVCADFCLSELGPICAREGLWLHIDAAYAGTA
FLCPEFRGFLKGIEYADSFTFNPSKWMMVHFDCTGFVWKDKYKLQQTFSVNPIYLR
HANSGVATDFMHWQIPLSRRFRSVKLWFVIRSFVGNLQAHVRHGTETMAKYFESL
VRNDPSFEIPAKRHLGLVVFRLKGNCLTENVLKEIAKAGRLFLIPATIQDKLIIRFTVT
SQFTTRDDILRDWNLIRDAATLILSQHCTSQPSPRVGNLISQIRGARAWACGTSLSQS
VSGAGDDPVQARKIHKPQVRGAGPMKRENGLHLETLLDPVDDCFSEEAPDATKHK
LSSFLFSYLSVQTKKKTVRSLSCNSVPVSAQKPLPTEASVKNGGSSRVRFISRFPE
MMMLKKSAFKKLIKFSVPSFPECSSQCGLQLPCCPLQAMV

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human HDC full length protein (1-662aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. HDC, also known as histidine decarboxylase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.