



Recombinant strain K12 hisB

Protein Product Manual

1. Product Basic Information

Product No.: REP07111

Protein Name: Bifunctional Histidinol-Phosphatase/Imidazoleglycerol-Phosphate Dehydratase Hisb (hisB)

Aliases: bifunctional histidinol-phosphatase/imidazoleglycerol-phosphate dehydratase HisB

UniProt ID: P06987

UniProt Link: <https://www.uniprot.org/uniprotkb/P06987/entry>

Species Source: Escherichia coli (strain K12)

Expression System: Yeast

Protein Length: Full Length (1-355aa)

Molecular Weight: 41.1 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-355aa)

MSQKYLFI DRDGT L ISEPPSDFQVDRFDKLA FEPGVIPELLKLQKAGYKLVMITNQDG
LGTQSFPQADFDGPHNLM MQIFTSQGVQFDEV LICPHLPADECD CRKPKVKLVERY
LAEQAMD RANSYVIGDRATDIQLAENMGITGLRYDRETLNWPMIGEQLTRRDYAH
VVRNTKETQIDVQVWLDREGGSKINTGVGFFDHMLDQIATHGGFRMEINVKGDLI
DDHHTVEDTGLALGEALKIALGD KRGICRFGFVLPMDDECLAR CALDISGRPHLEYKA
EFTYQRVGDLSTEMIEHFFRSLSYTMGVTLHLKTKGKNDHHRVESLFKA FGRTL RQ
AIRVEGDTLPSSKGVL

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).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



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 strain K12 hisB full length protein (1-355aa) expressed in Yeast. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. hisB, also known as bifunctional histidinol-phosphatase/imidazoleglycerol-phosphate dehydratase HisB, 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.