



Recombinant Mouse-ear cress HDT2 Protein Product Manual

1. Product Basic Information

Product No.: REP07101

Protein Name: Histone Deacetylase 2B (HDT2)

Aliases: histone deacetylase 2B

UniProt ID: Q56WH4

UniProt Link: <https://www.uniprot.org/uniprotkb/Q56WH4/entry>

Species Source: Arabidopsis thaliana (Mouse-ear cress)

Expression System: E.coli

Protein Length: Full Length (1-306aa)

Molecular Weight: 37.3kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1-306aa)

MEFWGVAVTPKNATKVTPEEDSLVHISQASLDCTVKSGESVVLSTVVGAKLVIGTL
SQDKFPQISFDLVFDKEFELSHSGTKANVHFIGYKSPNIEQDDFTSSDDEDVPEAVP
APAPTAVTANGNAGAAVVKADTKPKAKPAEVKPAEEKPESDEEDESDEDESEED
DDSEKGMVDVEDDSDDDDEEEDSEDEEEEEETPKKPEPINKKRPNESVSKTPVSGKK
AKPAAAPASTPQKTEEEKKKGGHTATPHPAKKGGKSPVNANQSPKSGGQSSGGNN
NKKPFNSGKQFGGSNNKGSNKGKKGKGRA

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



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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 Mouse-ear cress HDT2 full length protein (1-306aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. HDT2, also known as histone deacetylase 2B, 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.