



Recombinant Human ADH1B Protein Product Manual

1. Product Basic Information

Product No.: REP06062

Protein Name: Adh, Beta Subunit (ADH1B)

Aliases: ADH2; HEL-S-117; ADH, beta subunit; aldehyde reductase; alcohol dehydrogenase subunit beta; epididymis secretory protein Li 117; all-trans-retinol dehydrogenase [NAD(+)] ADH1B

UniProt ID: P00325

UniProt Link: <https://www.uniprot.org/uniprotkb/P00325/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-375aa)

Molecular Weight: 55.7kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (2-375aa)

STAGKVIKCKAAVLWEVKKPFSIEDVEVAPPKAYEVRIKMVAVGICRTDDHVVS
GNLVTPLPVILGHEAAGIVESVGEGVTTVKPGDKVIPLFTPQCCKRVCKNPESNYCLKN
DLGNPRGTLQDGTTRFTCRGKPIHHFLGTSTFSQYTVVDENAVAKIDAASPLEKVCL
IGCGFSTGYGSAVNVAKVTPGSTCAVFGLGGVGLSAVMGCKAAGAARIIVDINKD
KFAKAKELGATECINPQDYKKPIQEVLKEMTDGGVDFSFEVIGRLDTMMASLLCCHE
ACGTSVIVGVPPASQNLSINPMLLLTGRTWKGAVYGGFKSKEGIPKLVADFMKKFS
LDALITHVLPFEKINEGFDLLHSGKSIRTVLTF

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 Human ADH1B full length of mature protein protein (2-375aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. ADH1B, also known as ADH2 or HEL-S-117 or ADH, beta subunit, 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.