



Recombinant Human ADH5 Protein Product Manual

1. Product Basic Information

Product No.: REP06063

Protein Name: Formaldehyde Dehydrogenase (ADH5)

Aliases: FDH; ADHX; ADH-AMEDS; BMFS7; FALDH; GSNOR; GSH-FDH; HEL-S-60p; formaldehyde dehydrogenase; alcohol dehydrogenase class-III; alcohol dehydrogenase class chi chain; S-(hydroxymethyl)glutathione dehydrog...

UniProt ID: P11766

UniProt Link: <https://www.uniprot.org/uniprotkb/P11766/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-374aa)

Molecular Weight: 66.6kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (2-374aa)

ANEVIKCKAAVAWEAGKPLSIEEIEVAPPKAHEVRIKIIATAVCHTDAYTLSGADPEGC
FPVILGHEGAGIVESVGEGVTKLKAGDTVIPLYIPQCGECKFCLNPKTNLCQKIRVTQ
GKGLMPDGTSRFTCKGKTIHYMGTSFSEYTVVADISVAKIDPLAPLDKVCLLGCGI
STGYGAAVNTAKLEPGSVCAVFGLGGVGLAVIMGCKVAGASRIIGVDINKDKFARAK
EFGATECINPQDFSKPIQEVLIEMTDGGVDYSFECIGNVKVMRAALEACHKGWGV
VVVGVAASGEEIATRPFLVTGRTWKGTAFGGWKSVESVPKLVSEYMSKKIKVDEF
VTHNLSFDEINKAFELMHSGKSIRTVVKI

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 ADH5 full length of mature protein protein (2-374aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. ADH5, also known as FDH or ADHX or ADH-AMEDS, 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.