



Recombinant Human ALDH1B1 Protein Product Manual

1. Product Basic Information

Product No.: REP06109

Protein Name: Aldehyde Dehydrogenase 1 Family Member B1 (ALDH1B1)

Aliases: ALDH5; ALDHX; aldehyde dehydrogenase 1 family member B1; epididymis secretory sperm binding protein

UniProt ID: P30837

UniProt Link: <https://www.uniprot.org/uniprotkb/P30837/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (167-264aa)

Molecular Weight: 47.6 kDa

Protein Tag: N-terminal 10xHis-GST-tagged and C-terminal V5-Myc-tagged

2. Amino Acid Sequence (167-264aa)

SRVISQPDQTLLEILMSELDPAVMDQFYMKDGVTAKDVTRESGIRDLIPGSVIDATMF
NPCGYSMNGMKSDGTYWTIHITPEPEFSYVSFETNLSQTSY

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 ALDH1B1 partial protein (167-264aa) expressed in E.coli. The protein is dual-tagged with 10xHis-GST tag at the N-terminus and V5-Myc tag at the C-terminus, which facilitates protein purification, detection and identification. ALDH1B1, also known as ALDH5 or ALDHX or aldehyde dehydrogenase 1 family member B1, 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.