



Recombinant Bovine ALDH1A1 Protein Product Manual

1. Product Basic Information

Product No.: REP06106

Protein Name: Raldh Hel-S-53E (ALDH1A1)

Aliases: ALDC; ALDH1; HEL-HEL12; PUMB1; ALDH11; ALHDII; RALDH1; ALDH-E1; RALDH HEL-S-53e; aldehyde dehydrogenase 1, soluble; aldehyde dehydrogenase, liver cytosolic; aldehyde dehydrogenase 1 family member A1; ...

UniProt ID: P00352

UniProt Link: <https://www.uniprot.org/uniprotkb/P00352/entry>

Species Source: Bos taurus (Bovine)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-501aa)

Molecular Weight: 62.1 kDa

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

2. Amino Acid Sequence (2-501aa)

SSSAMPDVPAPLTNLQFKYTKIFINNEWHSSVSGKKFPVFNPAETEEKLCEVEEGDKE
DVDKAVKAARQAFQIGSPWRTMDASERGRLLNKLADLIERDHLLLATMEAMNGGKL
FSNAYLMDLGCGIKTLRYCAGWADKIQGRITPMDGNFFTYTRSEPVGVCGQIIPWN
FPLLMFLWKIGPALSCGNTVVVKPAEQTPLTALHMGSLIKEAGFPPGVVNIVPGYGP
TAGAAISSHMDVDKVAFTGSTEVGKLIKEAAGKSNLKRVSLELGGKSPCIVFADADL
DNAVEFAHQGVFYHQGQCCIAASRLFVEESYDEFVRRSVERAKKYVLGNPLTPGV
SQGPQIDKEQYEKILDLIESGKKEGAKLECGGGPWGNKGYFIQPTVFSDVTDDMRIA
KEEIFGPVQQIMKFKSLDDVIKRANNTFYGLSAGIFTNDIDKAITVSSALQSGTVVWN
CYSVVSAQCPFGGFKMSGNGRELGEYGFHEYTEVKTVTIKISQKNS

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

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 Bovine ALDH1A1 full length of mature protein protein (2-501aa) 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. ALDH1A1, also known as ALDC or ALDH1 or HEL-HEL12, 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.