



Recombinant Human ALDH1A2 Protein Product Manual

1. Product Basic Information

Product No.: REP06107

Protein Name: Retinaldehyde-Specific Dehydrogenase Type 2 (ALDH1A2)

Aliases: DIH4; RALDH2; RALDH RALDH2-RALDH(II); retinaldehyde-specific dehydrogenase type 2

UniProt ID: O94788

UniProt Link: <https://www.uniprot.org/uniprotkb/O94788/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length (1-518aa)

Molecular Weight: 58.7kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-518aa)

MTSSKIEMPGEVKADPAALMASLHLLPSPTPNLEIKYTKIFINNEWQNSESGRVFPV
YNPATGEQVCEVQEADKADIDKAVQAARLAFSLGSVWRRMDASERGRLLDKLADL
VERDRAVLATMESLNGGKPFLLQAFYVDLQGVKTFRYAGWADKIHGMTIPVDGDY
FTFTRHEPIGVCGQIIPWNFPLLMFAWKIAPALCCGNTTVIKPAEQTPLSALYMGALI
KEAGFPPGVINILPGYGPTAGAAIASHIGIDKIAFTGSTEVGKLIQEAAGRSNLKRVTL
ELGGKSPNIIFADADLDYAVEQAHQGVFFNQGCCTAGSRIFVEESIYEEFVRRSVE
RAKRRVVGSPFDPTTEQGPDQIDKKQYNKILELIQSGVAEGAKLECGGKGLGRKGFFI
EPTVFSNVTDDMRIAKEEIFGPVQEILRFKTMDEVIERANNSDFGLVAAVFTNDINKA
LTVSSAMQAGTVWINCYNALNAQSPFGGFKMSGNGREMGEFGLREYSEVKTVTVK
IPQKNS

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 Human ALDH1A2 full length protein (1-518aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ALDH1A2, also known as DIH4 or RALDH2 or RALDH RALDH2-RALDH(II), 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.