



Recombinant Mouse Idh1 Protein Product Manual

1. Product Basic Information

Product No.: REP07181

Protein Name: Nadp(+)-Specific Icdh (Idh1)

Aliases: IDH; IDP; IDCD; IDPC; PICD; HEL-216; HEL-S-26; NADP(+)-specific ICDH; oxalosuccinate decarboxylase; epididymis luminal protein 216; epididymis secretory protein Li 26; isocitrate dehydrogenase 1 (NADP...

UniProt ID: O88844

UniProt Link: <https://www.uniprot.org/uniprotkb/O88844/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Partial (7-407aa)

Molecular Weight: 49.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (7-407aa)

GGSVVEMQGDDEMTRIIEWELIKEKLILPYVELDLHSYDLGIENRDATNDQVTKDAAEAI
KKYNVGVKCATITPDEKRVEEFKLKQMWKSPNGTIRNILGGTVFREAIICKNIPRLVT
GWVKPIIIGRHAYGDQYRATDFVVPGPVKVEITYTPKDGTQKVITYMVHDFEEGGGV
AMGMYNQDKSIEDFAHSSFQMALSKGWPLYLSTKNTILKKYDGRFKDIFQEIYDKKY
KSQFEAQKICYEHLIDDMVAQAMKSEGGFIWACKNYDGDVQSDSVAQGYGSLGM
MTSVLICPDGKTVEAEAAHGTVTRHYRMYQKGQETSTNPIASIFAWSRGLAHRACL
DNNTLSFFAKALEDVCIETIEAGFMTKDLAACIKGLPNVQRSDYLNTFEFMDKLGE
NLKA

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 Mouse Idh1 partial protein (7-407aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. Idh1, also known as IDH or IDP or IDCD, 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.