



Recombinant Bovine L2HGDH Protein Product Manual

1. Product Basic Information

Product No.: REP07316

Protein Name: Alpha-Ketoglutarate Reductase (L2HGDH)

Aliases: L2HGA; duranin; C14orf160; alpha-ketoglutarate reductase; 2-hydroxyglutarate dehydrogenase; L-2-hydroxyglutarate dehydrogenase; alpha-hydroxyglutarate oxidoreductase; L-alpha-hydroxyglutarate dehydrog...

UniProt ID: Q9H9P8

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9H9P8/entry>

Species Source: Bos taurus (Bovine)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (53-463aa)

Molecular Weight: 61.7kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (53-463aa)

IIGGGIVGLASARALILRHPALSIGVLEKEKNLAVHQTGHNSGVIHSGIYYKPESLKAK
LCVQGAALIYEYCNQKGISYKQCGKLIVAVEQEEIPRLQALYERGLQNGVQGLRLIQ
QEDIKKKEPYCRGLMAIDCPYTGIVDYRQVAFSFAKDFQEAGGSVLTNFEVEDIEMA
RESPSRSKDGMKYPIVIRNTKGEEVRCQYVVTCAGLYSDRIELSGCNPNPRIVPFR
GDYLVLKPEKRYLVKGNIYPVPDSRFPFLGVHFTPRMDGNIWLGPNAILAFKREGYR
PFDFSARDIMDIIKSGLIKLVFQNFSGVNMKYKACFLSATVKHLQKFIPEITISDVLR
GPAGVRAQALDRDGNLIEDFVFDGGVGDIGNRILHVRNAPSPAATSSLAISGMIAD
VQQRFKL

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 Bovine L2HGDH full length of mature protein protein (53-463aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. L2HGDH, also known as L2HGA or duranin or C14orf160, 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.