

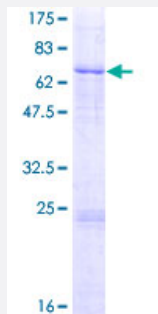
Full-Length

L2HGDH (Human) Recombinant Protein (P01)

Catalog # H00079944-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human L2HGDH full-length ORF (AAH06117.1, 1 a.a. - 441 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVPALRYLVGACGRARGRFAGGSPGACGFASGRPRPLCGGSRSASTSSFDIVGGGIVGLASA
RALILRHPSLSIGVLEKEKDLAVHQTGHNSGVIHSGIYKPESLKAKLCVQGAALLYEYCQQKGISYK
QCGKLIVAVEQEEIPRLQALYEKGLQNGVPLRLIQQEDIKKKEPYCRGLMAIDCPHTGMDYRQVA
LSFAQDFQEAGGSVLTNFEVKGIEMAKESPSRSIDGMQYPVIKNTKGEEIRCQYVVTCAGLYSDRI
SELSGCTPDPRMPFRGDYLLKPEKCYLVKGNYPVPDSRFPFLGVHFTPRMDGSIMLGPNAVLA
FKREGYRPFDFSATDVMDDIINSGLIKLASQNFSGVTEMYKACFLGATVKYLQKFIPEITISDILRQVA
VRGPSWLWQQPMKVSDNNIYCFWRCFALLLTGSTCSFK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.9

Interspecies Antigen Sequence

Mouse (78); Rat (75)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — L2HGDH

Entrez GeneID	79944
GeneBank Accession#	BC006117.1
Protein Accession#	AAH06117.1
Gene Name	L2HGDH
Gene Alias	C14orf160, DURANIN, FLJ12618
Gene Description	L-2-hydroxyglutarate dehydrogenase
Omim ID	236792 609584
Gene Ontology	Hyperlink
Gene Summary	This gene encodes L-2-hydroxyglutarate dehydrogenase, a FAD-dependent enzyme that oxidizes L-2-hydroxyglutarate to alpha-ketoglutarate in a variety of mammalian tissues. Mutations in this gene cause L-2-hydroxyglutaric aciduria, a rare autosomal recessive neurometabolic disorder resulting in moderate to severe mental retardation. [provided by RefSeq]
Other Designations	2-hydroxyglutarate dehydrogenase L-alpha-hydroxyglutarate dehydrogenase alpha-hydroxyglutarate oxidoreductase alpha-ketoglutarate reductase

Pathway

- [Butanoate metabolism](#)