

Product datasheet for **TP317631M**

L2HGDH (NM_024884) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human L-2-hydroxyglutarate dehydrogenase (L2HGDH), nuclear gene encoding mitochondrial protein, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217631 representing NM_024884 Red =Cloning site Green =Tags(s)

MVPALRYLVGACGRARGRFAGGSPGACGFASGRPRPLCGGSRASSTSSFDIVIVGGGIVGLASARALILR
HPSLSIGVLEKEKDLAVHQTGHNSGVIHSGIYYKPESLKAKLCVQGAALLYEYCQQKGISYKQCGKLIVA
VEQEEIPRLQALYEKGLQNGVPLRLIQQEDIKKPEYCRGLMAIDCPHTGIVDYRQVALSFAQDFQEAG
GSVLTNFEVKGIEMAKESPSRSIDGMQYPIVIKNTKGEEIRCQYVWTCAGLYSDRISELGCTPDPRIVP
FRGDYLLKPEKCYLVKGNIPVPDSRFPFLGVHFTPRMDGSIWLGPNVLAFLKREGYRPFDFSATDVMD
IIINSGLIKLASQNFSGVTEMYKACFLGATVKYLQKFIPEITISDILRGPAGVRAQALDRDGNLVEDFV
FDAGVGDIGNRILHVRNAPSPAATSSIAISGMIADDEVQRFEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	45.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_079160](#)

Locus ID: 79944

UniProt ID: [Q9H9P8](#)

RefSeq Size: 2064

Cytogenetics: 14q21.3

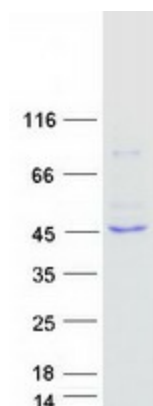
RefSeq ORF: 1389

Synonyms: C14orf160; L2HGA

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 cognitive disability. [provided by RefSeq, Jul 2008]

Protein Pathways: Butanoate metabolism

Product images:



Coomassie blue staining of purified L2HGDH protein (Cat# [TP317631]). The protein was produced from HEK293T cells transfected with L2HGDH cDNA clone (Cat# [RC217631]) using MegaTran 2.0 (Cat# [TT210002]).