

Recombinant Full Length Human L2HGDH Protein, C-Flag-tagged

Cat. No. L2HGDH-727HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human L2HGDH Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	45.2 kDa
AA Sequence	MVPALRYLVGACGRARGRFAGGSPGACGFASGRPRPLCGGSRSASTSSFDIVIVG GGIVGLASARALILR HPSLSIGVLEKEKDLAVHQTGHNSGVIHSGIYYKPESLKAKLC VQGAALLYEYCQQKGISYKQCGKLIVA VEQEEIPRLQALYEKGLQNGVPGRLRIQQE DIKKKEPYCRGLMAIDCPHTGIVDYRQVALSFAQDFQEAG GSVLTNFEVKGIEMAKE SPSRSIDGMQYPIVIKNTKGEEIRCQYVVTCAGLYSDRIELSGCTPDPRIVP FRGDY LLLKPEKCYLVKGNIPVPDSRFPFLGVHFTPRMDGSIWLGPNNAVLAFAFKREGYRPF FSATDVMD IIINSLIKLASQNFSGVTEMYKACFLGATVKYLQKFIPEITISDILRGPA GVRAQALDRDGNLVEDFV

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	FDAGVGDIGNRILHVRNAPSPAATSSIAISGMIADDEVQQR FELTRTRPLEQKLISEEDL AANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Butanoate metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	L2HGDH L-2-hydroxyglutarate dehydrogenase [Homo sapiens (human)]
Official Symbol	L2HGDH
Synonyms	L2HGA; C14orf160
Gene ID	79944
mRNA Refseq	NM_024884.3

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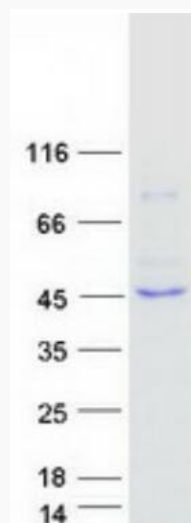
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Protein Refseq NP_079160.1

MIM 609584

UniProt ID Q9H9P8



Coomassie blue staining of purified L2HGDH protein.

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