



Recombinant Human L-2-hydroxyglutarate dehydrogenase, mitochondrial (L2HGDH)

Product Code	CSB-EP864008HU-B
Abbreviation	L2HGDH
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9H9P8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	VIVGGGIVGLASARALILRHPSLSIGVLEKEKDLAVHQGTGHNSGVIHSGIYYKPE SLKAKLCVQGAALLYEYCQQKGISYKQCGKLIVAVEQEEIPRLQALYEKGLQNG VPGLRLIQQEDIKKKEPYCRGLMAIDCPHTGIVDYRQVALSFAQDFQEAGGSVL TNFEVKGIEMAKESPSRSIDGMQYPIVIKNTKGEEIRCQYVVTCAGLYSDRISEL SGCTPDPRIVPFRGDYLLKPEKCYLVKGNIPVPDSRFPFLGVHFTPRMDGSI WLGPNVLAFAKREGYRPFDFSATDVMIIIINSGLIKLASQNFSGVTEMYKACF LGATVKYLQKFIPEITISDILRQVAVRGP SWLWQQQPMKVSDNNIYCFLWRCFAL LLTGSTCSFK
Source	E.coli
Target Names	L2HGDH
Protein Names	Recommended name: L-2-hydroxyglutarate dehydrogenase, mitochondrial EC=1.1.99.2 Alternative name(s): Duranin
Expression Region	52-441
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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