



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

<b>Product Code</b>	CSB-BP864008HU
<b>Abbreviation</b>	L2HGDH
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9H9P8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	VIVGGGIVGLASARALILRHPSLSIGVLEKEKDLAVHQGTGHNSGVIHSGIYYKPE SLKAKLCVQGAALLYEYCQQKGISYKQCGKLIVAVEQEEIPRLQALYEKGLQNG VPGLRLIQQEDIKKKEPYCRGLMAIDCPHTGIVDYRQVALSFAQDFQEAGGSVL TNFEVKGIEMAKESPSRSIDGMQYPIVIKNTKGEEIRCQYVVTCAGLYSDRISEL SGCTPDPRIVPFRGDYLLKPEKCYLVKGNIPVPDSRFPFLGVHFTPRMDGSI WLGPNVLAFAKREGYRPFDFSATDVMDIIINSGLIKLASQNFSGVTEMYKACF LGATVKYLQKFIPEITISDILRQVAVRGP SWLWQQQPMKVSDNNIYCFLWRCFAL LLTGSTCSFK
<b>Source</b>	Baculovirus
<b>Target Names</b>	L2HGDH
<b>Protein Names</b>	Recommended name: L-2-hydroxyglutarate dehydrogenase, mitochondrial EC= 1.1.99.2 Alternative name(s): Duranin
<b>Expression Region</b>	52-441
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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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