

Recombinant Human LDHD protein, His & GST-tagged

Cat. No. LDHD-1138H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LDHD aa. (Arg62~Ala265 (Accession # Q86WU2) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg62~Ala265
Description	The protein encoded by this gene belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. The similar protein in yeast has both D-lactate and D-glycerate dehydrogenase activities. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.9kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.2.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	LDHD lactate dehydrogenase D [Homo sapiens (human)]
Official Symbol	LDHD
Synonyms	LDHD; lactate dehydrogenase D; DLD; probable D-lactate dehydrogenase, mitochondrial; D-lactate dehydrogenase
Gene ID	197257
mRNA Refseq	NM_153486.3
Protein Refseq	NP_705690.2
UniProt ID	Q86WU2

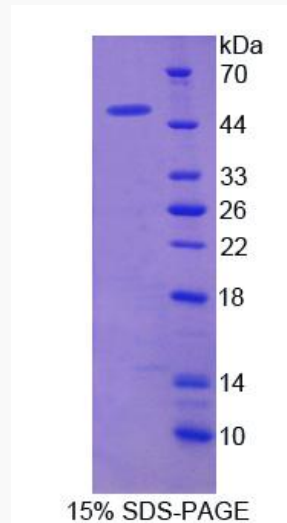
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SDS-PAGE



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