

Recombinant Mouse Dld protein, His & GST-tagged

Cat. No. Dld-5630M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Dld aa. (Thr45~Lys271 (Accession # O08749)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Thr45~Lys271
Description	This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, the encoded protein functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, this protein can function as a protease.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.1.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. 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. The loss rate 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.

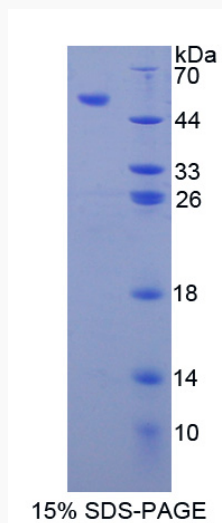
GENE INFORMATION

Gene Name	Dld dihydrolipoamide dehydrogenase [<i>Mus musculus</i> (house mouse)]
Official Symbol	Dld
Synonyms	Dld; dihydrolipoamide dehydrogenase; dihydrolipoyl dehydrogenase, mitochondrial; branched chain alpha-keto acid dehydrogenase complex subunit E3
Gene ID	13382
mRNA Refseq	NM_007861.5
Protein Refseq	NP_031887.2
UniProt ID	O08749

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SDS-PAGE

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