Recombinant Rat Dld protein, His & T7-tagged

Cat. No. Dld-5631R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Dld aa. (Asp238~Glu466 (Accession # Q6P6R2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Asp238~Glu466
Description	This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. A similar protein in human, mouse, and pig has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, the protein functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, the protein can function as a protease.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.0kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.7.

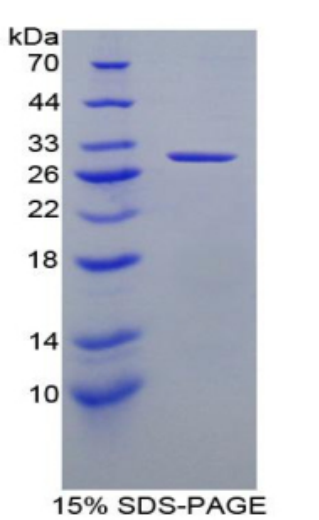
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Dld dihydrolipoamide dehydrogenase [Rattus norvegicus (Norway rat)]
Official Symbol	Dld
Synonyms	Dld; dihydrolipoamide dehydrogenase; dihydrolipoyl dehydrogenase, mitochondrial; dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)
Gene ID	298942
mRNA Refseq	NM_199385.2
Protein Refseq	NP_955417.1

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UniProt ID	Q6P6R2
SDS-PAGE	

15% SDS-PAGE

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