

Datasheet for ABIN666962

DLD Protein (AA 36-509) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	DLD
Protein Characteristics:	AA 36-509
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLD protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	DLD, 36-509aa, Human, His tag, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	DLD
Alternative Name:	DLD (DLD Products)
Background:	DLD (Dihydrolipoamide dehydrogenase), also known as GCSL (glycine cleavage system L protein), is a component of the glycine cleavage system as well as of the alpha ketoacid dehydrogenase complexes. DLD is a flavin-dependent oxidoreductase and functions as a component of the alpha-keto acid dehydrogenase, the pyruvate dehydrogenase, the alpha-ketoglutarate dehydrogenase, the branched-chain alpha-keto acid dehydrogenase and as the L

Target Details

protein in the mitochondrial glycine cleavage system. Mutations in DLD protein can result in MSUD (maple syrup urine disease) and congenital infantile lactic acidosis. Recombinant human DLD protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: DLDH, E3, GCSL, LAD, PHE3, Dihydrolipoyl dehydrogenase, mitochondrial Diaphorase, Dihydrolipoamide dehydrogenase, Dihydrolipoyl dehydrogenase, Dihydrolipoyl dehydrogenase mitochondrial, DLD, E3 component of pyruvate dehydrogenase, E3 component of pyruvate dehydrogenase complex 2 oxo glutarate complex branched chain keto acid dehydrogenase complex, Glycine cleavage system L protein, Glycine cleavage system protein L, Lipoamide reductase, Lipoyl dehydrogenase, PHE 3,. NCBI no.: NP_000099

Molecular Weight: 54.4 kDa (511aa)

Pathways: [Ribonucleoside Biosynthetic Process](#), [Cell RedoxHomeostasis](#)

Application Details

Restrictions: For Research Use only

Handling

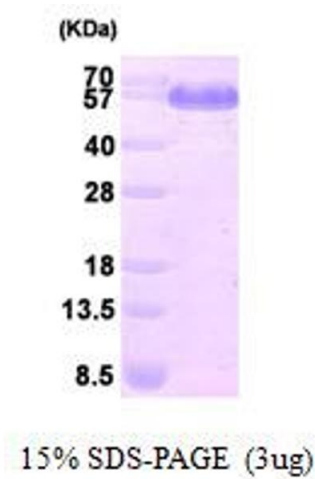
Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 0.1M NaCl, 10% glycerol

Storage: 4 °C

Images



SDS-PAGE

Image 1.