

Native Human LDHA

Cat. No. LDHA-26867TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Full length native Lactate Dehydrogenase Isoenzyme V purified from human liver.
Species	Human
Description	<p>The protein encoded by this gene catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. The protein is found predominantly in muscle tissue and belongs to the lactate dehydrogenase family. Mutations in this gene have been linked to exertional myoglobinuria. Multiple transcript variants encoding different isoforms have been found for this gene. The human genome contains several non-transcribed pseudogenes of this gene.</p>
Biological activity	Activity:1140 Unit/ml @ 37°C Dimension. Specific Activity:157 Units/mg protein. One unit will catalyze the transformation of one micromole of Lactate to pyruvate at 37°C and pH 8.55
Form	Liquid
Purity	Ammonium Sulphate Precipitation
Storage buffer	Preservative: None Constituents: 50mM Tris-Chloride, 1mM EDTA, 1mM DTE, pH 8.3
Storage	Store at +4°C. Do not freeze.
Full Length	Full L.

 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

GENE INFORMATION

Gene Name LDHA lactate dehydrogenase A [Homo sapiens]

Official Symbol LDHA

Synonyms LDHA; lactate dehydrogenase A; L-lactate dehydrogenase A chain;

Gene ID 3939

mRNA Refseq NM_001135239

Protein Refseq NP_001128711

MIM 150000

Uniprot ID P00338

Chromosome Location 11p15.1

Pathway Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; Glycolysis and Gluconeogenesis, organism-specific biosystem;

Function L-lactate dehydrogenase activity; nucleotide binding; oxidoreductase activity;

 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