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	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.
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: NoneConstituents: 50mM Tris-Chloride, 1mM EDTA, 1mM DTE, pH 8.3
Storage	Store at +4°C. Do not freeze.
Full Length	Full L.

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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;

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