

Active Native Human Lactate Dehydrogenase 1

Cat. No. LDH1-218H Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified Native Human Erythrocytes Lactate Dehydrogenase 1. E.C. Number: 1.1.1.27
Species	Human
Source	Human Erythrocyte
Form	Ammonium Sulfate Suspension
Bio-activity	Typically >250 U/mL @ 37 C
Unit Definition	One unit will catalyze the transformation of one micromole of L-lactate to pyruvate per minute at 37C and pH 8.55.
Concentration	>0.25 mg protein/mg

GENE INFORMATION

Gene Name	LDHA lactate dehydrogenase A [Homo sapiens]
Official Symbol	LDHA
Synonyms	LDHA; lactate dehydrogenase A; L-lactate dehydrogenase A chain; LDH-A; LDH-M; LDH muscle subunit; lactate dehydrogenase M; proliferation-inducing gene 19; renal carcinoma antigen NY-REN-59; cell proliferation-inducing gene 19 protein; LDH1;

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	LDHM; GSD11; P
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; HIF-1-alpha transcription factor network, organism-specific biosystem; Metabolic pathways, organism-specific biosystem;
Function	L-lactate dehydrogenase activity; nucleotide binding; oxidoreductase activity;