Active Native Human Lactate Dehydrogenase 2

Cat. No. LDH2-123H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human Lactate Dehydrogenase 2 was purified from Human Heart.
Species	Human
Source	Human Heart
Description	This gene encodes an enzyme which catalyzes the reversible conversion of lactate and pyruvate, and NAD and NADH, in the glycolytic pathway. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on the X chromosome and on chromosome. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Form	Ammonium Sulfate Suspension
Bio-activity	>/=50 U/mg protein
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	>1.0 mg/mL

GENE INFORMATION

Gene Name	LDHB lactate dehydrogenase B [Homo sapiens]

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Official Symbol	LDHB
Synonyms	LDHB; lactate dehydrogenase B; L-lactate dehydrogenase B chain; LDH heart subunit; lactate dehydrogenase H chain; renal carcinoma antigen NY-REN-46; LDH-B; LDH-H; LDHBD; TRG-5;
Gene ID	3945
mRNA Refseq	NM_001174097
Protein Refseq	NP_001167568
MIM	150100
UniProt ID	P07195
Chromosome Location	12p12.2-p12.1
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; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	L-lactate dehydrogenase activity; NAD binding; identical protein binding; oxidoreductase activity;

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