

Active Native Human Lactate Dehydrogenase 3

Cat. No. LDH3-124H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Human Lactate Dehydrogenase 3 was purified from Human Erythrocytes.
Species	Human
Source	Human Erythrocyte
Description	Lactate dehydrogenase C catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. LDHC is testis-specific and belongs to the lactate dehydrogenase family. Two transcript variants have been detected which differ in the 5' untranslated region.?
Form	Ammonium Sulfate Suspension
Bio-activity	>100 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	LDHC lactate dehydrogenase C [Homo sapiens]
Official Symbol	LDHC

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Synonyms	LDHC; lactate dehydrogenase C; L-lactate dehydrogenase C chain; cancer/testis antigen 32; CT32; LDH-C; LDH-X; LDH testis subunit; lactate dehydrogenase C4; lactate dehydrogenase c variant 1; lactate dehydrogenase c variant 3; lactate dehydrogenase c varia
Gene ID	3948
mRNA Refseq	NM_002301
Protein Refseq	NP_002292
MIM	150150
UniProt ID	P07864
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; Metabolic pathways, organism-specific biosystem; Propanoate metabolism, organism-specific biosystem;
Function	L-lactate dehydrogenase activity; nucleotide binding; oxidoreductase activity;