

Active Native Human Lactate Dehydrogenase 1

Cat. No. LDH1-16H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Human LDH1 was purified from Human Erythrocytes. CAS# 9001-60-9
Species	Human
Source	Human Erythrocyte
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.
Form	Liquid. Suspension in 3.1 M ammonium sulfate, 20 mM tris-chloride, 1 mM DTT, 1 mM EDTA, pH 7.5.
Bio-activity	>250 U/mL (Dimension Clinical Chemistry System)
Purity	Purified. >99% LDH-1 (Helena QuickGel® LD Isoenzyme Electrophoresis). LDH-2, LDH-3, LDH-4, LDH-5:< 0.1%,="" cpk:="">< 1.0%,="" ast/got:=""><>
Unit Definition	One unit will catalyze the oxidation of one micromole of L-lactate to pyruvate per minute at 37oC and pH 8.55.
Storage	2-8oC

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