

Native Human LDHC

Cat. No. LDHC-28045TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length purified mature Lactate Dehydrogenase C purified from human erythrocytes.
Species	Human
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.
Biological activity	Activity: 521 Unit/ml at 37°C. Specific Activity: 217.9 Units/mg Protein. One unit will catalyze the transformation of one micromole of L-lactate to pyruvate per minute at 37°C and pH 8.55.
Form	Liquid
Purity	Ammonium Sulphate Precipitation
Storage buffer	Preservative: None Constituents: 20mM Tris chloride, 1mM DTE, 1mM EDTA, pH 7.5
Storage	Store at +4°C. Do not freeze.
Full Length	Full L.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	LDHC lactate dehydrogenase C [Homo sapiens]
Official Symbol	LDHC
Synonyms	LDHC; lactate dehydrogenase C; L-lactate dehydrogenase C chain; cancer/testis antigen 32; CT32;
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;
Function	L-lactate dehydrogenase activity; nucleotide binding; oxidoreductase activity;