

## Native Human LDHC

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

### SPECIFICATION

<b>Product Overview</b>	Full length purified mature Lactate Dehydrogenase C purified from human erythrocytes.
<b>Species</b>	Human
<b>Description</b>	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.
<b>Biological activity</b>	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.
<b>Form</b>	Liquid
<b>Purity</b>	Ammonium Sulphate Precipitation
<b>Storage buffer</b>	Preservative: None Constituents: 20mM Tris chloride, 1mM DTE, 1mM EDTA, pH 7.5
<b>Storage</b>	Store at +4°C. Do not freeze.
<b>Full Length</b>	Full L.

### GENE INFORMATION

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Gene Name</b>	LDHC lactate dehydrogenase C [ Homo sapiens ]
<b>Official Symbol</b>	LDHC
<b>Synonyms</b>	LDHC; lactate dehydrogenase C; L-lactate dehydrogenase C chain; cancer/testis antigen 32; CT32;
<b>Gene ID</b>	3948
<b>mRNA Refseq</b>	NM_002301
<b>Protein Refseq</b>	NP_002292
<b>MIM</b>	150150
<b>Uniprot ID</b>	P07864
<b>Chromosome Location</b>	11p15.1
<b>Pathway</b>	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;
<b>Function</b>	L-lactate dehydrogenase activity; nucleotide binding; oxidoreductase activity;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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