

## Recombinant Mouse Ldhb Protein, MYC/DDK-tagged

Cat. No. Ldhb-1306M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse lactate dehydrogenase B (Ldhb), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes the B subunit of lactate dehydrogenase enzyme, which catalyzes the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD <sup>+</sup> in a post-glycolysis process. Alternatively spliced transcript variants have also been found for this gene. Recent studies have shown that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is localized in the peroxisomes. Pseudogenes have been identified on chromosomes 1 and 19.
<b>Molecular Mass</b>	37 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 g/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Ldhb lactate dehydrogenase B \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Ldhb](#)

**Synonyms** Ldhb; lactate dehydrogenase B; Ldh2; H-Ldh; LDH-B; LDH-H; Ldh-2; A1790582; L-lactate dehydrogenase B chain; LDH heart subunit; lactate dehydrogenase 2, B chain; EC 1.1.1.27

**Gene ID** [16832](#)

**mRNA Refseq** [NM\\_008492](#)

**Protein Refseq** [NP\\_032518](#)

**UniProt ID** [P16125](#)

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