Recombinant Mouse Ldhb Protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse lactate dehydrogenase B (Ldhb), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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+ 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.
Molecular Mass	37 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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; AI790582; 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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