

Recombinant Human LDHB Protein, MYC/DDK-tagged

Cat. No. LDHB-424H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human LDHB protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.

Species Human

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 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. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on chromosomes X, 5 and 13. [provided by RefSeq, Feb 2016]

Form 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Molecular Mass 36.5 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration >50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	lactate dehydrogenase B [Homo sapiens]
Official Symbol	LDHB
Synonyms	HEL-S-281; LDH-B; LDH-H; LDHBD; TRG-5
Gene ID	3945
mRNA Refseq	NM_001174097.1
Protein Refseq	NP_001167568.1
MIM	150100
UniProt ID	P07195

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