

Recombinant Human LDHB, GST-tagged

Cat. No. LDHB-257H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LDHB(1 a.a. - 334 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	This gene encodes an enzyme which catalyzes the reversible conversion of lactate and pyruvate, and NAD and NADH, in the glycolytic pathway. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on the X chromosome and on chromosome. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Molecular Mass	62.48 kDa
AA Sequence	MATLKEKLIAPVAEEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKL KGEMMDLQHGSLFLQT PKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNV NVFKFIIPQIVKYSPDCIIIVSNPVDILTYVTWK LSGLPKHRVIGSGCNLDSARFRYLM AEKLGIIHPSSCHGWILGEHGDSSVAVWSGVNVAGVSLQELNPEMGTDNDS ENWK EVHKMVVESAYEVIKLGKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKGMGYGIENE VFLSLPCILNARG LTSDINQKLKDDEVAQLKKSADTLWDIQDKDLKDL
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	LDHB lactate dehydrogenase B [Homo sapiens (human)]
Official Symbol	LDHB
Synonyms	LDHB; lactate dehydrogenase B; LDH-H; TRG-5; L-lactate dehydrogenase B chain; LDH-B; LDH heart subunit; OTTHUMP00000165231; renal carcinoma antigen NY-REN-46; EC 1.1.1.27
Gene ID	3945
mRNA Refseq	NM_001174097
Protein Refseq	NP_001167568
MIM	150100
UniProt ID	P07195
Chromosome Location	12p12.2-p12.1
Pathway	Abnormal metabolism in phenylketonuria; Cysteine and methionine metabolism; Glycolysis / Gluconeogenesis; Propanoate metabolism
Function	L-lactate dehydrogenase activity; NAD binding; identical protein binding; kinase binding

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