

# Recombinant Full Length Human LDHA Protein, GST-tagged

**Cat. No.** LDHA-6967HF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant full-length Human LDHA(1 a.a. - 332 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.

**Species**                      Human

**Source**                        In Vitro Cell Free System

**ProteinLength**              332 amino acids

**Description**                The protein encoded by this gene catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. The protein is found predominantly in muscle tissue and belongs to the lactate dehydrogenase family. Mutations in this gene have been linked to exertional myoglobinuria. Multiple transcript variants encoding different isoforms have been found for this gene. The human genome contains several non-transcribed pseudogenes of this gene.

**Molecular Mass**            63.1 kDa

**AA Sequence**                MATLKDQLIYNLLKEEQTPQNKITVVGVGAVGMACAISILMKDLADELALVDVIEDKLIK  
GEMMDLQHGSLFLRTP KIVSGKDYNVTANSKLVIIITAGARQQEGESRLNLVQRNVNI  
FKFIIPNVVKYSPNCKLLIVSNPVDILTIVAWKI SGFPKNRVIGSGCNLDSARFRYLMG  
ERLGVHPLSCHGWVLGEHGDSSVPVWSGMNVAGVSLKTLHPDLGTDKDKE QWKE  
VHKQVVESAYEVIKLGKGYTSWAIGLSVADLAESIMKNLRRVHPVSTMIKGLYGIKDDV  
FLSVPCILGQNGI SDLVKVTLTSEEEARLKKSAADTLWGIQKELQF

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<b>Applications</b>	ELISA; WB-Re; AP; Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	LDHA lactate dehydrogenase A [ Homo sapiens (human) ]
<b>Official Symbol</b>	LDHA
<b>Synonyms</b>	LDHA; lactate dehydrogenase A; LDH1; LDHM; GSD11; PIG19; L-lactate dehydrogenase A chain; LDH-A; LDH-M; LDH muscle subunit; lactate dehydrogenase M; proliferation-inducing gene 19; renal carcinoma antigen NY-REN-59; cell proliferation-inducing gene 19 protein; EC 1.1.1.27
<b>Gene ID</b>	3939
<b>mRNA Refseq</b>	NM_005566
<b>Protein Refseq</b>	NP_005557
<b>MIM</b>	150000
<b>UniProt ID</b>	P00338

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