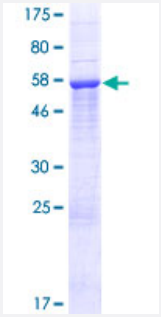
Full-Length

LDHA (Human) Recombinant Protein (P01)

Catalog # H00003939-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human LDHA full-length ORF (NP_005557.1, 1 a.a. - 332 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MATLKDQLIYNLLKEEQTPQNKITVVGVGAVGMACAISILMKDLADELALVDVIEDKLKGEMMDLQ HGSLFLRTPKIVSGKDYNVTANSKLVIITAGARQQEGESRLNLVQRNVNIFKFIIPNVVKYSPNCKLLI VSNPVDILTYVAWKISGFPKNRVIGSGCNLDSARFRYLMGERLGVHPLSCHGWVLGEHGDSSVP VWSGMNVAGVSLKTLHPDLGTDKDKEQWKEVHKQVVESAYEVIKLKGYTSWAIGLSVADLAESI MKNLRRVHPVSTMIKGLYGIKDDVFLSVPCILGQNGISDLVKVTLTSEEEARLKKSADTLWGIQKEL QF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	63.1
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LDHA

Entrez GeneID	3939
GeneBank Accession#	NM_005566.1
Protein Accession#	NP_005557.1
Gene Name	LDHA
Gene Alias	LDH-M, LDH1, PIG19
Gene Description	lactate dehydrogenase A
Omim ID	150000
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	L-lactate dehydrogenase A|proliferation-inducing gene 19

Pathway

- Cysteine and methionine metabolism

- Glycolysis / Gluconeogenesis
- Metabolic pathways
- Propanoate metabolism
- Pyruvate metabolism

Disease

- Coronary Disease
- Genetic Predisposition to Disease
- Hypertension
- Narcolepsy
- Panic Disorder