

Catalog No.: RP02791LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3939	P00338

Tags N-His

Synonyms

LDHM; GSD11; PIG19; HEL-S-133P; LDHA

Product Information

Source	Purification
E. coli	≥ 95 % as
	determined by SDS-
	PAGE.
Calculated MW	Observed MW

Calculated MWObserved MW37.53 kDa40-45 kDa

Endotoxin

< 1 EU/ μ g of the protein by LAL method.

Formulation

Supplied as a 0.22 µm filtered solution in 20mM Tris, 250mM NaCl,10% Glycerol, pH8.0.

Reconstitution

Background

L-Lactate Dehydrogenase A Chain (LDHA) is an enzyme that catalyzes the conversion of L-lactate and NAD+ to pyruvate and NADH in the final step of anaerobic glycolysis. LDHA contains an N-terminal coenzyme binding region, a central catalytic site, and at least nine utilized Lys acetylation and two Tyr phosphorylation sites. LDHA belongs to the lactate dehydrogenase family, expressed predominantly in muscle tissue. LDHA mutations have been linked to exertional myoglobinuria.

Basic Information

Description

Recombinant Human Lactate Dehydrogenase A/LDHA Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Phe332) of human Lactate Dehydrogenase A/LDHA (Accession $\#NP_005557.1$) fused with a 6×His tag at the N-terminus.

Bio-Activity

Storage

Store at -70°C. This product is stable at \leq -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Contact

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60kDa —	
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Recombinant Human Lactate Dehydrogenase A/LDHA Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.