

RP02791LQ

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# Recombinant Human Lactate Dehydrogenase A/LDHA Protein

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
<I>E. coli</I>	> 95% by SDS-PAGE.

### Endotoxin

<1EU/μg

### Formulation

Supplied as a 0.22 μm filtered solution in 20mM Tris-HCl, 500mM NaCl, 5% Trehalose, 5% Mannitol, 0.01% Tween80, 1mM EDTA, 50% Glycerol, pH8.0.

### Reconstitution

## Background

L-Lactate Dehydrogenase A Chain (LDHA) is an enzyme that catalyzes the conversion of L-lactate and NAD<sup>+</sup> 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 <I>E. coli</I> 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

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

## Contact



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