

# Recombinant Human LDH-A/LDHA Protein (His Tag)

Catalog Number:PKSH032708



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

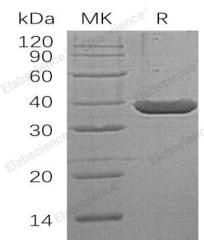
## Description

<b>Synonyms</b>	L-Lactate Dehydrogenase A Chain;LDH-A;Cell Proliferation-Inducing Gene 19 Protein;LDH Muscle Subunit;LDH-M;Renal Carcinoma Antigen NY-REN-59;LDHA
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Phe332
<b>Accession</b>	P00338
<b>Calculated Molecular Weight</b>	38.8 kDa
<b>Observed molecular weight</b>	37 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 $\mu$ m filtered solution of 20mM Tris-HCl, 500mM NaCl, 5% Trehalose, 5% Mannitol, 0.01% Tween80, 1mM EDTA, 50% Glycerol, pH8.0.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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.

## For Research Use Only

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