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Datasheet for ABIN7318739

Lactate Dehydrogenase A Protein (LDHA) (His tag)

Overview

Quantity:	50 µg
Target:	Lactate Dehydrogenase A (LDHA)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Lactate Dehydrogenase A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human LDH-A/LDHA Protein (His Tag)
Sequence:	Met 1-Phe332
Characteristics:	Recombinant Human L-Lactate Dehydrogenase A Chain is produced by our E.coli expression system and the target gene encoding Met1-Phe332 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Lactate Dehydrogenase A (LDHA)
Alternative Name:	LDH-A/LDHA (LDHA Products)
Background:	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

Target Details

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.

Synonym: 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

Molecular Weight: 38.8 kDa

UniProt: [P00338](#)

Pathways: [Warburg Effect](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 50 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.