

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

Catalog No. PKSH032708

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

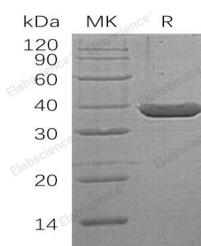
Description

Synonyms	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
Species	Human
Expression Host	E.coli
Sequence	Met 1-Phe332
Accession	P00338
Calculated Molecular Weight	38.8 kDa
Observed molecular weight	37 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	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.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 500mM NaCl, 5% Trehalose, 5% Mannitol, 0.01% Tween80, 1mM EDTA, 50% Glycerol, pH8.0.
Reconstitution	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⁺ 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

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lactate dehydrogenase family, expressed predominantly in muscle tissue. LDHA mutations have been linked to exertional myoglobinuria.