



Recombinant Protein Technical Manual
Recombinant Human LDH-A/LDHA Protein (His Tag)
RPES3651

Product Data:

Product SKU: RPES3651

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P00338

Protein Information:

Molecular Mass: 38.8 kDa

AP Molecular Mass: 37 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 TrisHCl, 100mM NaCl, 50% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Met 1-Phe332

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.