

## Recombinant Human LDH-A

Catalog No: C235

<b>Description</b>	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.
<b>Expression System</b>	E.coli
<b>Alternative name</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>Accession No.</b>	P00338

<b>Quality Control</b>	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg)
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM TrisHCl, 100mM NaCl, 50% Glycerol, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
<b>Background</b>	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.

### SDS-PAGE

