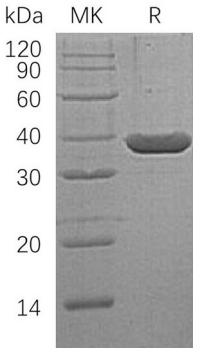
Product Name: Recombinant Human LDH-A (N-6His)
Catalog #: PEH1068

Summary

Name	LDHA/PIG19
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P00338
Host	E.coli
Species	Human
Predicted Molecular Mass	38.8 KDa
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.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	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
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.

Note

For Research Use Only , Not for Diagnostic Use.