

Rat LDH-A / LDHA Protein (His Tag)

Catalog Number: 80664-R07E



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

LDHA

Protein Construction:

A DNA sequence encoding the rat Ldha (NP_058721.1) (Met1-Phe332) was expressed with a polyhistidine tag at the N-terminus.

Source: Rat

Expression Host: E. coli

QC Testing

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

Bio Activity:

Measured by its ability to reduce pyruvate to lactate. The specific activity is >50,000 pmoles/min/μg

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant rat Ldha consists 350 amino acids and predicts a molecular mass of 38.7 kDa.

Formulation:

Lyophilized from sterile 50 mM Tris, 50 mM NaCl.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

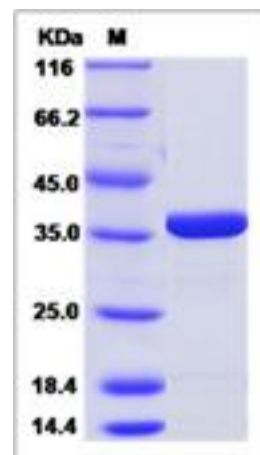
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Lactate dehydrogenase A (LDHA), a key enzyme regulating aerobic glycolysis, is overexpressed in many human cancers, and correlates with poor clinical outcomes. Lactate dehydrogenase-A (LDHA) can promote Warburg effect to produce lactate and Adenosine Triphosphate (ATP) in aerobic condition, which contributes to oncogenesis metastasis and drug resistance in various cancers. Up-regulation of lactate dehydrogenase LDHA, is a frequent event in human malignancies and relate to poor postoperative outcome.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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