# **Recombinant Mouse LDHA/LDH1 Protein (His Tag)**

Catalog Number: PKSM041103



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

### **Description**

**Synonyms** LDHA;Ldh1;L-lactate dehydrogenase

**Species** Mouse

**Expression Host** HEK293 Cells **Sequence** Met1-Phe332

AccessionP06151Calculated Molecular Weight37.5 kDaObserved molecular weight37 kDaTagC-His

### **Properties**

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

**Endotoxin**  $< 1.0 \text{ EU per } \mu \text{g of the protein as determined by the LAL method.}$ 

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

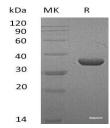
ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 50%Glycerol, 500

mMNaCl, 5% Trehalose, 5% Mannitol, 0.01% Tween80, 1mM EDTA, pH9.0.

**Reconstitution** Not Applicable

#### Data



> 95 % as determined by reducing SDS-PAGE.

## **Background**

Mouse Lactate dehydrogenase A (LDHA) is a member of the LDH/MDH superfamily and LDH family. LDHA catalyzes the inter-conversion of pyruvate and L-lactate with concomitant inter-conversion of NADH and NAD+. LDHA is found in most somatic tissues, though predominantly in muscle tissue and tumours. It has also been shown that LDHA plays an important role in the development, invasion and metastasis of malignancies. Mutations in LDHA have been linked to exertional myoglobinuria.

#### For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: <a href="mailto:www.elabscience.com">www.elabscience.com</a>
Email: <a href="mailto:techsupport@elabscience.com">techsupport@elabscience.com</a>