

## 32-8489: Recombinant Mouse L-Lactate Dehydrogenase/LDHA/LDH1 (C-6His)

**Gene :** Ldha  
**Gene ID :** 16828  
**Uniprot ID :** P06151

### Description

Source: Human Cells.  
MW :37.5kD.

Recombinant Mouse L-lactate dehydrogenase is produced by our Mammalian expression system and the target gene encoding Met1-Phe332 is expressed with a 6His tag at the C-terminus. 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<sup>+</sup>. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MATLKDQLIVNLLKEEQAPQNKITVVGAVGMACAISILMKDLADELALVDVMEDKLGEMMDLQHGSFLK  
TPKIVSSKDYCVTANSKLVITAGARQOEGESRLNLVQRNVNIFKFIIPNIVKYSHPCKLLIVSNPVDILTIVAWKIS  
GFPKNRVIGSGCNLDSARFRYLMGERLGVHALSCHGWVLGEHGDSSVPVWSGVNVAGVSLKSLNPELGTDA  
DKEQWKEVHKQVDSAYEVIKLKGYSWAIGLSVADLAESIMKNLRRVHPISTMIKGLYGINEDVFLSVPILGQ  
NGISDVVKVTLTPEEEARLKKSAADTLWGIQKELQFVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.