

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⁺. 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
TPKIVSSKDYCVTANSKLVITAGARQOEGESRLNLVQRNVNIFKFIIPNIVKYSPHCKLLIVSNPVDILTIVAWKIS
GFPKNRVIGSGCNLDSARFRYLMGERLGVHALSCHGWVLGEHGDSSVPVWSGVNVAGVSLKSLNPELGTDA
DKEQWKEVHKQVDSAYEVIKLKGYSWAIGLSVADLAESIMKNLRRVHPISTMIKGLYGINEDVFLSVPILGQ
NGISDVVKVTLTPEEEARLKKSAADTLWGIQKELQFVDHHHHHH

Application Note

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