

Ldha, 1-332aa, Mouse, His tag, Baculovirus (Bioactivity Validated)

Cat.NO.: TP02793

3th Edition

Synonyms:L-lactate dehydrogenase A chain isoform 1, Ldha, 17R2, Ldh1, Ldhm

Description:Ldha, also known as L-lactate dehydrogenase A chain isoform 1, is a member of the LDH/MDH superfamily and LDH family. It catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. This protein is found predominantly in muscle tissue. It has long been known that many human cancers have higher LDHA levels compared to normal tissues. It plays an important role in the development, invasion and metastasis of malignancies. Recombinant mouse Ldha, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:37.5kDa (340aa), 28-40kDa (SDS-PAGE under reducing conditions.)

Sequences:

MATLKDQLIVNLLKEEQAPQNKITVVGVGAVGMACAISILMKDLADELALVDVMEDKLGEMMDLQHGSLFLKTPKI
VSSKDYCVTANSKLVITAGARQQEGESRLNLVQRNVNIFKFIIPNIVKYSPHCKLLIVSNPVDILTIVAWKISGFPKNR
VIGSGCNLDSARFRYLMGERLGVHALSCHGWVLGEHGDSSVPVWSGVNVAGVSLKSLNPELGTADADKEQWKEV
HKQVVDSAYEVIKLGKGYTSAWIGLSVADLAESIMKNLRRVHPISTMIKGLYGINEDVFLSVCILGQNGISDVVKVTLT
PEEEARLKKSadTLWGIQKELQFLEHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.