9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-6833: LDHB Mouse

Application : Functional Assay
Alternative Name : L-lactate dehydrogenase B chain, LDH-B, LDH heart subunit, LDH-H, Ldh-2, Ldh2, Ldhb.

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
Lactate dehydrogenase (LDH) is an enzyme(EC1.1.1.27) present in a wide variety of organisms, including plants and animals.A tetrameric enzyme that catalyses the interconversion of pyruvateand lactate with concomitant interconversion of NADH and NAD+. At high concentrations of pyruvate, the enzyme exhibits feedback inhibition and the rate of conversion of pyruvate to lactate is decreased. In vertebrates, genes for three different subunits (LDH-A, LDH-B and LDH-C) exist.
LDHB Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 357 amino acids (1-334 a.a) and having a molecular mass of 39kDa.LDHB is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	LDHB protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0), 1mM DTT and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMATLKEK LIASVADDEA AVPNNKITVV GVGQVGMACA ISILGKSLAD ELALVDVLED KLKGEMMDLQ HGSLFLQTPK IVADKDYSVT ANSKIVVVTA GVRQQEGESR LNLVQRNVNV FKFIIPQIVK YSPDCTIIVV SNPVDILTYV TWKLSGLPKH RVIGSGCNLD SARFRYLMAE KLGIHPSSCH GWILGEHGDS SVAVWSGVNV AGVSLQELNP EMGTDNDSEN WKEVHKMVVD SAYEVIKLKG YTNWAIGLSV ADLIESMLKN LSRIHPVSTM VKGMYGIENE VFLSLPCILN ARGLTSVINQ KLKDDEVAQL RKSADTLWDI QKDLKDL.

Application Note

Specific activity is > 150 units/mg, in which one unit will 1.0 umole of pyruvate to L-lactate and beta-NAD per minute at pH 7.5.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.