

LDHB, 1-334aa, Human, His tag, E.coli

Cat.NO.: TP02796

3th Edition

Synonyms:L-lactate dehydrogenase B chain, LDH-H, TRG-5.

Description:LDHB, also known as L-lactate dehydrogenase B chain, is a member of the lactate dehydrogenase family. It is an oxidoreductase which catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD⁺. As this protein can also catalyze the oxidation of hydroxybutyrate, it is occasionally called Hydroxybutyrate Dehydrogenase (HBD). The LDH family consists of three members, LDH-A, LDHB and LDH-C.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT.

Molecular Weight:38.8 kDa (354aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMATLKEKLIAPVAEEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLED
KLKGEMMDLQHGSFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIV
VSNPVDILTYVTWKL SGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGVSL
QELNPEMGTDNDSENWKEVHKMVVESAYEVIKLGKGYTNWAIGLSVADLIESMLKNLSRIHPVSTMVKGMYGIENEV
FLSLPCILNARGLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.