

Lactate Dehydrogenase B Mouse Recombinant

Item Number	rAP-0981
Synonyms	L-lactate dehydrogenase B chain, LDH-B, LDH heart subunit, LDH-H, Ldh-2, Ldh2, Ldhb.
Description	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.
Uniprot Accession Number	P16125
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMATLKEK LIASVADDEA AVPNNKITVV GVGQVGMACA ISILGKSLAD ELALVDVLED KLGEMMDLQ HGSLFLQTPK IVADKDYSVT ANSKIVVTA GVRQQEGESR LNLVQRNVNV FKFIIPIQVK YSPDCTIIVV SNPVDILTYV TWKLSGLPKH RVIGSGCNLD SARFRYLMAE KLGIIHPSSCH GWILGEHGDS SVAVWSGVNV AGVSLQELNP EMGTDNSEN WKEVHKMVVD SAYEVI- KLKG YTNWAIGLSV ADLIESMLKN LSRIHPVSTM VKGMYGIENE VFLSLPCILN ARGLTSVINQ
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	LDHB protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0), 1mM DTT and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**