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ldhA E. coli

Catalog #:ENPS-639

For research use only.

Description:ldhA E.Coli Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 353 amino acids (1-329) and having a molecular mass of 39.1kDa.ldhA is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:D-lactate dehydrogenase, D-LDH, Fermentative lactate dehydrogenase, ldhA, hslI, htpH, b1380, JW1375.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMKLAVY STKQYDKKYL QQVNESFGFE LEFFDFLLTE KTAKTANGCE AVCIFVNDDG SRPVLEELKK HGVKYIALRC AGFNNVDLDA AKELGLKVVR VPAYDPEAVA EHAIGMMMTL NRRIHRAYQR TRDANFSLEG LTGFTMYGKT AGVIGTGKIG VAMLRILKGF GMRLLAFDPY PSAAALELGV EYVDLPTLFS ESDVISLHCP LT

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
The ldhA solution (1mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 10% glycerol and 100mM NaCl.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
D-lactate dehydrogenase (ldha) is a member of the D-isomer specific 2-hydroxyacid dehydrogenase family. In enzymology, an ldha (cytochrome) is an enzyme which catalyzes the chemical reaction. Therefore, the 2 substrates of the ldha enzyme are (D)-lactate and ferricytochrome c, whereas its 2 products are pyruvate and ferrocytochrome c.

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