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lldD E. coli

Catalog #:ENPS-625

For research use only.

Description:lldD E.Coli Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 420 amino acids (1-396) and having a molecular mass of 45.3kDa.lldD is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:L-lactate dehydrogenase [cytochrome], lldD, lctD, b3605, JW3580.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMIISAA SDYRAAAQRI LPPFLFHYMD GGAYSEYTLR RNVEDLSEVA LRQRILKNMS DLSLETTLFN EKLSMPVALA PVGLCGMYAR RGEVQAAKAA DAHGIPFTLS TVSVCPIEEV APAIKRPMWF QLYVLRDRGF MRNALERAKA AGCSTLVFTV DMPTPGARYR DAHSGMSGPN AAMRRYLQAV THPQWAWDVG LNGRPHDLGN IS

Purity: Greater than 90% as determined by SDS-PAGE.

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

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:
L-lactate dehydrogenase (lldD) is present in a various organisms, including plants and animals. lldD is an oxidoreductase which catalyses the interconversion of pyruvate and lactate with concurrent interconversion of NADH and NAD+. Seeing that lldD can catalyze the oxidation of hydroxybutyrate, it is occasionally called Hydroxybutyrate Dehydrogenase (HBD).

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