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32-2508: lldD Recombinant Protein

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

Description

Source : E.coli. 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. 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).

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The lldD solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 1mM DTT.
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 MGSHMIISAA SDYRAAAQRI LPPFLFHYMD GGAYSEYTLR RNVEDLSEVA LRQRILKNMS DLSLETTLFN EKLSMPVALA PVGLCGMYAR RGEVQAAKAA DAHGIPFTLS TVSVCPIEEV APAIKRPMWF QLYVLRDRGF MRNALERAKA AGCSTLVFTV DMPTPGARYR DAHSGMSGPN AAMRRYLQAV THPQWAWDVG LNGRPHDLGN ISAYLGKPTG LEDYIGWLGN NFDPSISWKD LEWIRDFWDG PMVIKGILDP EDARDAVRFG ADGIVVSNHG GRQLDGVLSS ARALPAIADA VKGDIAILAD SGIRNGLDVV RMIALGADTV LLGRAFLYAL ATAGQAGVAN LLNLIEKEMK VAMTLTGAKS ISEITQDSLV QGLGKELPAA LAPMAKGNAA.

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