

AR50387PU-S**lIdD (1-396, His-tag) - Purified**

Alternate names:	ECK3595, JW3580, L-lactate dehydrogenase, lct, lctD
Quantity:	20 µg
Concentration:	1mg/ml (determined by Bradford assay)
Background:	lIdD, also known as L-lactate dehydrogenase, is present in a wide variety of organisms, including plants and animals. It is an oxidoreductase which catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD ⁺ . As it can also catalyze the oxidation of hydroxybutyrate, it is occasionally called Hydroxybutyrate Dehydrogenase (HBD).
Uniprot ID:	P33232
NCBI:	NP_418062.1
GeneID:	948121
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT
Description:	Recombinant E.coli lIdD protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHHH SSGLVPRGSH MGSBMIISAA SDYRAAAQRI LPPFLFHYMD GGAYSEYTLR RNVEDLSEVA LRQRILKNMS DLSLETTLFN EKLSMPVALA PVGLCGMYAR RGEVQAAKAA DAHGIPFTLS TVSVCPIEEV APAIKRPMWF QLYVLRDRGF MRNALERAKA AGCSTLVFTV DMPTPGARYR DAHSGMSGPN AAMRRYLQAV THPQAWDVG LNGRPHDLGN ISAYLGKPTG LEDYIGWLG NFDPSISWKD LEWIRDFWDG PMVIKILDP EDARDAVRFV ADGIVVSNHG GRQLDGVLS ARALPAIADA VKGDIAILAD SGIRNGLDVV RMIALGADTV LLGRAFLYAL ATAGQAGVAN LLNLIKEMK VAMTLTGAKS ISEITQDSLQ QGLGKELPAA LAPMAKGNAA Molecular weight: 45.3 kDa (420aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Ogura Y., et al. (2009) Proc. Natl. Acad. Sci. U.S.A. 106:17939-17944

Pictures:

