

L-Lactate Dehydrogenase E.Coli Recombinant

Item Number	rAP-1026
Synonyms	L-lactate dehydrogenase [cytochrome], lldD, lctD, b3605, JW3580.
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.
Uniprot Accession Number	P33232
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSHMIISAA SDYRAAAQRI LPPFLFHYMD GGAYSEYTLR RNVED- LSEVA LRQRILKNMS DLSLETTLFN EKLSMPVALA PVGLCGMYAR RGEVQAAKAA DAHGIPFTLS TVSVCPIEEV APAIKRPMWF QLYVLRDRGF MRNALERAKA AGCSTLVFTV DMPTPGARYR DAHSGMSGPN AAMRRYLQAV THPQWAWDVG LNGRPHDLGN ISAYLGKPTG LEDYIGWLGN NFDPSISWKD LEWIRDFWDG PMVIKILDP EDARDAVRFG ADGIVVSNHG GRQLDGVLS ARALPAI- ADA VKGDIALAD SGIRNGLDVV RMIALGADTV LLGRAFLYAL ATAGQAGVAN LLNLIEKEMK VAMTLTGAKS ISEITQDSLV QGLGKELPAA LAPMAKGNA.
Source	E.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	The lldD solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 1mM DTT. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
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**