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IldD, 1-396aa, E.coli, His tag, E.coli

产品货号: TP02837

第三版

别名:L-lactate dehydrogenase, ECK3595, JW3580, lct, lctD.

描述:IldD, 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<sup>+</sup>. As it can also catalyze the oxidation of hydroxybutyrate, it is occasionally called Hydroxybutyrate Dehydrogenase (HBD). Recombinant E.coli IldD protein, fused to His-tag at Nterminus, was expressed in E.coli and purified by using conventional chromatography.

配方:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT

分子量:45.3 kDa (420aa), confirmed by MALDI-TOF

序列:

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MGSSHHHHHSSGLVPRGSHMGSHMIISAASDYRAAAQRILPPFLFHYMDGGAYSEYTLRRNVEDLSEVALRQRILKNMS
DLSLETLFNEKLSMPVALAPVGLCGMYARRGEVQAAKAADAHGIPFTLSTVSVCPPIEVAPAIAKRPMWFQLYVLRDRGF
MRNALERAKAAGCSTLVFTVDMPTPGARYRDAHSGMSGPNAAMRRYLQAVTHPQWAWDVGLNGRPHDLGNISAYLG
KPTGLEDYIGWLGNNFDPISWWDLEWIRDFWDGPMVIKGLDPEDARDAVRFADGIVVSNHGGRQLDGVLSARALP
AIADAVKGDIAILADSGIRNGLDVVRMIALGADTVLLGRAFLYALATAGQAGVANLLNLIKEMKVVAMTLTGAKSISEITQ
DSLVQGLGKELPAALAPMAKGNA
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纯度:> 95% by HPLC

浓度:1mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.