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ldhA, 1-329aa, E.coli, His tag, E.coli

产品货号: TP02555

第三版

别名: fermentative D-lactate dehydrogenase, NAD-dependent, ECK1377, hslF, hslI, htpH, JW1375

描述: ldhA, also known as D-lactate dehydrogenase, belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. In enzymology, a D-lactate dehydrogenase (cytochrome) is an enzyme that catalyzes the chemical reaction. Thus, the two substrates of this enzyme are (D)-lactate and ferricytochrome c, whereas its two products are pyruvate and ferrocyanochrome c. Recombinant E.coli ldhA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 100mM NaCl

分子量: 39.1kDa (353aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMATLKEKLIAPVAEEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVLEDKL
KGEMMDLQHGSFLQTPKIVADKDYVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNP
VDILTYVTWKLGLPKHRVIGSGCNLDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWGVNVAGVSLQELNPEM
GTDNDSENWKEVHKMVVESAYEVIKLGKGTNWAIGLSVADLIESMLKNSRIHPVSTMVKGMYGIENEVFLSLPCILNAR
GLTSVINQKLKDDEVAQLKKSADTLWDIQKDLKDL

纯度: > 95% by HPLC

浓度: 1 mg/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.