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32-2464: IdhA Recombinant Protein

Alternative Name : D-lactate dehydrogenase,D-LDH,Fermentative lactate dehydrogenase,ldhA,hslI,htpH,b1380,JW1375.

Description

Source : E.coli. ldhA E.Coli Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 353 amino acids (1-329) and having a molecular mass of 39.1kDa.ldhA is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. D-lactate dehydrogenase (ldha) is a member of the D-isomer specific 2-hydroxyacid dehydrogenase family. In enzymology, an ldha (cytochrome) is an enzyme which catalyzes the chemical reaction. Therefore, the 2 substrates of the ldha enzyme are (D)-lactate and ferricytochrome c, whereas its 2 products are pyruvate and ferrocytochrome c.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The ldhA solution (1mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 10% glycerol and 100mM NaCl.
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 MGSHMKLAVY STKQYDKKYL QQVNESFGFE LEFFDFLLTE KTAKTANGCE AVCIFVNDDG SRPVLEELKK HGVKYIALRC AGFNNVDLDA AKELGLKVVR VPAYDPEAVA EHAIGMMMTL NRRIHRAYQR TRDANFSLEG LTGFTMYGKT AGVIGTGKIG VAMLRILKGF GMRLLAFDPY PSAAALELGV EYVDLPTLFS ESDVISLHCP LTPENYHLLN EAAFEQMKNG VMIVNTSRGA LIDSQAAIEA LKNQKIGSLG MDVYENERDL FFEDKSNDVI QDDVFRRLSA CHNVLFTGHQ AFLTAEALTS ISQTTLQNLS NLEKGETCPN ELV.

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