

Product datasheet for **AR51991PU-S**

LDHD (1-329, His-tag) Escherichia coli Protein

Product data:

Product Type:	Recombinant Proteins
Description:	LDHD (1-329, His-tag) e. coli protein, 20 µg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MATLKEKLI PVAEEEEATVP NNKITVVGVG QVGMACAISI LGKSLADELA LVDVLEDKLG GEMMDLQHGS LFLQTPKIVA DKDYSVTANS KIVVVTAGVR QQEGESRLNL VQRNVNVFKF IIPQIVKYSP DCIIIVSNP VDILTYVTWK LSGLPKHRVI GSGCNLDSAR FRYLMAEKLK IHPSSCHGWI LGEHGDSSVA VWSGVNVAGV SLQELNPEMG TDNDSENWKE VHKMVVESAY EVIKLKGYN WAIGLSVADL IESMLKNLSR IHPVSTMVKG MYGIENEVFL SLPCILNARG LTSVINQKLK DDEVAQLKKS ADTLWDIQKD LKDL
Tag:	His-tag
Predicted MW:	39.1 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer, pH 8.0, 10% glycerol, 100 mM NaCl
Bioactivity:	Specific: Specific activity is > 200 units/mg, in which one unit will convert 1.0 umole of pyruvate to L-lactate and beta-NAD per minute at pH 7.5 at 37C.
Preparation:	Liquid purified protein
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.
Stability:	Shelf life: one year from despatch.
Summary:	Idha, 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 ferrocycytochrome c. Recombinant E.coli IdhA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.



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Product images:

