

Product datasheet for AR51991PU-N

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

Product data:

Product Type: Recombinant Proteins

Description: LDHD (1-329, His-tag) e. coli protein, 0.1 mg

Species: Escherichia coli

Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MATLKEKLIA PVAEEEATVP NNKITVVGVG QVGMACAISI

or AA Sequence: LGKSLADELA LVDVLEDKLK GEMMDLQHGS LFLQTPKIVA DKDYSVTANS KIVVVTAGVR

QQEGESRLNL VQRNVNVFKF IIPQIVKYSP DCIIIVVSNP VDILTYVTWK LSGLPKHRVI GSGCNLDSAR

FRYLMAEKLG IHPSSCHGWI LGEHGDSSVA VWSGVNVAGV SLQELNPEMG TDNDSENWKE

VHKMVVESAY EVIKLKGYTN 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 dehydrogese, belongs to the D-isomer specific 2-hydroxyacid

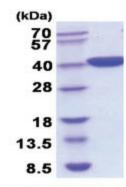
dehydrogese family. In enzymology, a D-lactate dehydrogese (cytochrome) is an enzyme that catalyzes the chemical reaction. Thus, the two substrates of this enzyme are (D)-lactate and ferricytochrome c, whereas its two products are pyruvate and ferrocytochrome c. Recombint E.coli IdhA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by

using conventiol chromatography techniques.





Product images:



15% SDS-PAGE (3ug)