Datasheet for ABIN1047316

# LDHB Protein (AA 2-334, full length) (His tag)

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | LDHB |
| Protein Characteristics: | AA 2-334, full length |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This LDHB protein is labelled with His tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | ATLKEKLIAP VAEEEATVPN NKITVVGVGQ VGMACAISIL GKSLADELAL VDVLEDKLKG EMMDLQHGSL FLQTPKIVAD KDYSVTANSK IVVVTAGVRQ QEGESRLNLV QRNVNVFKFI IPQIVKYSPD CIIIVVSNPV DILTYVTWKL SGLPKHRVIG SGCNLDSARF RYLMAEKLGI HPSSCHGWIL GEHGDSSVAV WSGVNVAGVS LQELNPEMGT DNDSENWKEV HKMVVESAYE VIKLKGYTNW AIGLSVADLI ESMLKNLSRI HPVSTMVKGM YGIENEVFLS LPCILNARGL TSVINQKLKD DEVAQLKKSA DTLWDIQKDL KDL |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | 90 % |

## Target Details

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| Target: | LDHB |
| Alternative Name: | L-lactate dehydrogenase B chain protein (LDHB Products) |
| Background: | (S)-lactate + NAD+ = pyruvate + NADH. |
| Molecular Weight: | 40.6 kD |
| UniProt: | P07195 |
| Pathways: | Warburg Effect |

## Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C for extended storage, conserve at -20 °C or -80 °C |

## Publications

| | |
|---|---|
| Product cited in: | Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, |

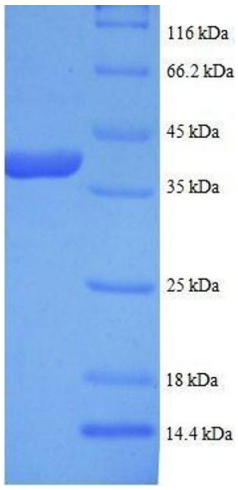
## Publications

Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: **Genome research**, Vol. 14, Issue 10B, pp. 2121-7, ( 2004) (PubMed).

Takeno, Li: "Structure of the human lactate dehydrogenase B gene." in: **The Biochemical journal** , Vol. 257, Issue 3, pp. 921-4, (1989) (PubMed).

Sakai, Sharief, Pan, Li: "The cDNA and protein sequences of human lactate dehydrogenase B." in: **The Biochemical journal**, Vol. 248, Issue 3, pp. 933-6, (1988) (PubMed).

## Images




**SDS-PAGE**

**Image 1.** Lactate Dehydrogenase B (LDHB) (AA 2-334), (full length) protein (His tag)