



[Go to Product page](#)

Datasheet for ABIN1047316

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

1 Image

3 Publications

Overview

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

Sequence:	ATLKEKLIAP VAEEEATVPN NKITVVGVGQ VGMACAISIL GKSLADELAL VDVLEDKLLG EMMDLQHGSL FLQTPKIVAD KDYSVTANSK IVVVTAGVRQ QEGESRLNLV QRNVNVFKFI IPQIVKYSPP CIIIVSNPV DILTYVTWKL SGLPKHRVIG SGCNLD SARF RYLMAEKLGI HPSSCHGWIL GEHGDSSVAV WSGVNVAGVS LQELNPEMGT DNDSENWKEV HKMNVESAYE VIKLLKGYTNW AIGLSVADLI ESMLKNLSRI HPVSTMVKGM YGIENEVFLS LPCILNARGL TSVINQKLKD DEVAQLKKS A DTLWDIQKDL KDL
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

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

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 modified 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

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

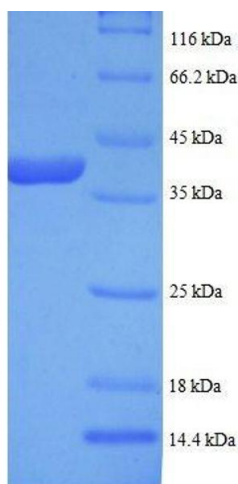
Product cited in: Burkard, Planyavsky, Kaupe, Breitwieser, Bürckstümmer, Bennett, Superti-Furga, Colinge: "Initial

characterization of the human central proteome." in: **BMC systems biology**, Vol. 5, pp. 17, (2011) ([PubMed](#)).

Durand, Angeletti, Genti-Raimondi: "GTT1/StarD7, a novel phosphatidylcholine transfer protein-like highly expressed in gestational trophoblastic tumour: cloning and characterization." in: **Placenta**, Vol. 25, Issue 1, pp. 37-44, (2004) ([PubMed](#)).

Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, 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](#)).

Images



SDS-PAGE

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