Datasheet for ABIN1095667

Lactate Dehydrogenase A Protein (LDHA) (AA 5-323, partial) (His tag)

1 Image | 2 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	Lactate Dehydrogenase A (LDHA)
Protein Characteristics:	AA 5-323, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Lactate Dehydrogenase A protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	KDQLIYNLLK EEQTPQNKIT VVGVGAVGMA CAISILMKDL ADELALVDVI EDKLKGEMMD LQHGSLFLRT PKIVSGKDYN VTANSKLVII TAGARQQEGE SRLNLVQRNV NIFKFIIPNV VKYSPNCKLL IVSNPVDILT YVAWKISGFP KNRVIGSGCN LDSARFRYLM GERLGVHPLS CHGWVLGEHG DSSVPVWSGM NVAGVSLKTL HPDLGTDKDK EQWKEVHKQV VESAYEVIKL KGYTSWAIGL SVADLAESIM KNLRRVHPVS TMIKGLYGIK DDVFLSVPCI LGQNGISDLV KVTLTSEEEA RLKKSADTL
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

Target:	Lactate Dehydrogenase A (LDHA)
Alternative Name:	L-lactate dehydrogenase A chain protein (LDHA Products)
Background:	(S)-lactate + NAD+ = pyruvate + NADH.
Molecular Weight:	39.2 kD
UniProt:	P00338
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 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

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

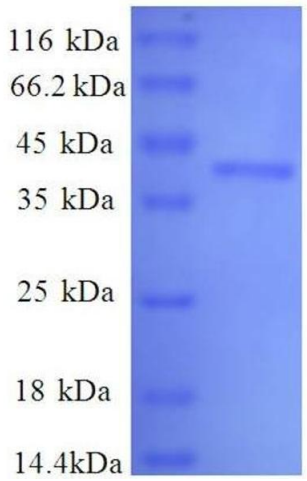
Product cited in:	Chung, Tsujibo, Bhattacharyya, Sharief, LI: "Genomic organization of human lactate

Publications

dehydrogenase-A gene." in: **The Biochemical journal**, Vol. 231, Issue 3, pp. 537-41, (1986) (PubMed).

Tsujibo, Tiano, Li: "Nucleotide sequences of the cDNA and an intronless pseudogene for human lactate dehydrogenase-A isozyme." in: **European journal of biochemistry / FEBS**, Vol. 147, Issue 1, pp. 9-15, (1985) (PubMed).

Images



SDS-PAGE

Image 1. Lactate Dehydrogenase A (LDHA) (AA 5-323), (partial) protein (His tag)