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#### Datasheet for ABIN7505203

## LDHB Protein (AA 2-334) (His tag)



#### Overview

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

#### **Product Details**

Sequence:	Ala 2-Leu334
Characteristics:	A DNA sequence encoding the Human LDHB protein (P07195) (2A-334L) was expressed with N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

### Target Details

Target:	LDHB
Alternative Name:	LDHB (LDHB Products)
Background:	Abbreviation: LDHB
	Target Synonym: L-lactate Dehydrogenase B Chain,LDH-B,LDH Heart Subunit,LDH-H,Renal
	Carcinoma Antigen NY-REN-46,LDHB
	Background: L-Lactate Dehydrogenase B Chain (LDH-B) is a member of the lactate

dehydrogenase family that consists of three members, LDH-A, LDH-B and LDH-C, members of this family function as powerful markers for germ cell tumors. LDH-B is an oxidoreductase that catalyzes the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD+. It converts pyruvate to lactate when oxygen is absent or in short supply and it performs the reverse reaction during the Cori cycle in the liver. It is also called Hydroxybutyrate Dehydrogenase (HBD) due to its ability to catalyze the oxidation of hydroxybutyrate.

Molecular Weight:

Calculated MW: 36.52 kDa

Observed MW: 40 kDa

UniProt:

P07195

Pathways:

Warburg Effect

#### **Application Details**

Restrictions:

For Research Use only

#### Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4.  Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months