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#### Datasheet for ABIN7318417

## **BDH1 Protein (His tag)**



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Quantity:	50 μg
Target:	BDH1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BDH1 protein is labelled with His tag.

#### **Product Details**

Purpose:	Recombinant Human BDH1 Protein (His Tag)	
Sequence:	Met 1-Arg343	
Characteristics:	Recombinant Human D-beta-Hydroxybutyrate Dehydrogenase Mitochondrial/BDH1 is produced by our E.coli expression system and the target gene encoding Met1-Arg343 is expressed with a 6His tag at the N-terminus.	
Purity:	> 95 % as determined by reducing SDS-PAGE.	
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.	

### Target Details

Target:	BDH1	
Alternative Name:	BDH1 (BDH1 Products)	
Background:	Background: D-Beta-Hydroxybutyrate Dehydrogenase Mitochondrial (BDH) is a member of the	
	short-chain dehydrogenases/reductases (SDR) family. BDH is localized in the mitochondrion	

#### **Target Details**

matrix. BDH forms a homotetrameric lipid-requiring enzyme of the mitochondrial membrane
and has a specific necessity for phosphatidylcholine for optimal enzymatic activity. BDH
catalyzes the interconversion of acetoacetate and (R)-3-hydroxybutyrate, the 2 main ketone
bodies formed during fatty acid catabolism.

Synonym: D-Beta-Hydroxybutyrate Dehydrogenase Mitochondrial, BDH, 3-Hydroxybutyrate Dehydrogenase, BDH

Molecular Weight: 40.3 kDa

UniProt: Q02338

Pathways: Response to Growth Hormone Stimulus

### **Application Details**

Restrictions: For Research Use only

#### Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 50 mM Tris, 1 mM DTT, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.