

## Recombinant Human BDH1 protein, His-tagged

Cat. No. BDH1-10199H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BDH1 protein(NP_004042)(1-343 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-343 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
<b>AA Sequence</b>	MLATRLSRPLSRLPGKTL S ACDRENGARRPLLLGSTSFIPIGRRTYASAAEPVGSKA VLVTGCDSGFGFSLAKHLHSGFLVFAGCLMKDKGHDGKELDSLNSDRLRRTVQLN VCSSEVEKVVVEIVRSSLKDPEKGMWGLVNNAGISTFGVEVFTSLETYKQVAEVLN WGTVRMTKSFLPLIRRAKGRVVNISSMLGRMANPARSPYCITKFGVEAFSDCLRYE MYPLGVKVSVEPGNFIAATSLYSPESIQAIKKMWEELPEVVRKDYGKKYFDEKIAK METYCSSGSTD TSPVIDAVTHALTATTPYTRYHPMDYYWLRMQIMTHLPGAISDMI YIR
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).

## GENE INFORMATION

**Gene Name**

BDH1 3-hydroxybutyrate dehydrogenase, type 1 [ Homo sapiens ]

**Official Symbol**

BDH1

**Synonyms**

BDH1; 3-hydroxybutyrate dehydrogenase, type 1; 3 hydroxybutyrate dehydrogenase (heart, mitochondrial) , BDH; D-beta-hydroxybutyrate dehydrogenase, mitochondrial; SDR9C1; short chain dehydrogenase/reductase family 9C; member 1; (R)-3-hydroxybutyrate dehydrogenase; 3-hydroxybutyrate dehydrogenase (heart, mitochondrial); short chain dehydrogenase/reductase family 9C, member 1; BDH; MGC2723; MGC4347; MGC9788;

**Gene ID**

622

**mRNA Refseq**

NM\_004051.4

**Protein Refseq**

NP\_004042

**MIM**

603063

**UniProt ID**

Q02338

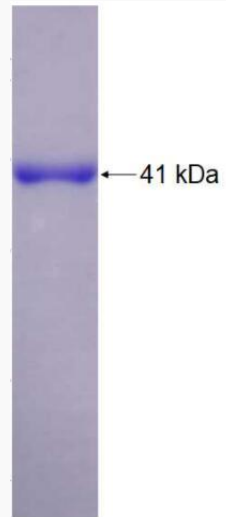
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SDS-PAGE



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