

Recombinant Human BDH1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human BDH1 protein(NP_004042)(1-343 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-343 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ ,17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	MLATRLSRPLSRPGLKTLSDRENGARRPLLLGSTSFIPIGRRTYASAAEPVGSKA VLVTGCDSGFGFSLAKHLHSGFLVFAGCLMKDKGHDGVKELDSLNSDRLRTVQLN VCSSEVEKVVVEIVRSSLKDPEKGMWGLVNNAGISTFGVEVEFTSLETYKQVAEVNL WGTVRMTKSFLPLIRRAKGRVVNISSMLGRMANPARSPYCITKFGVEAFSDCLRYE MYPLGVKVSVEPGNFIAATSLYSPESIQAIKKMWEELPEVVRKDYGKKYFDEKIAK METYCSSGSTDTSPVIDAVTHALTATTPYTRYHPMDYYWWLRMQIMTHLPGAISDMI YIR
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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 µg/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

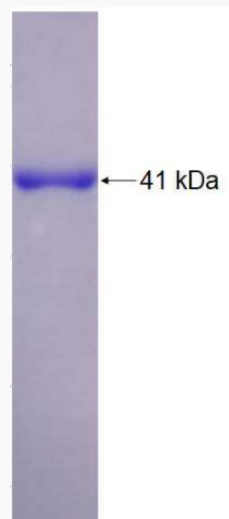
UniProt ID Q02338

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SDS-PAGE



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