

Recombinant Human BDH2, His-tagged

Cat. No. BDH2-26100TH Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant full length Human BDH2 with an N terminal His tag; 265 amino acids with a predicted MWt 28.8 kDa including tag. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 245 amino acids |
| Description | BDH2, also known as DHRS6, belongs to the short-chain dehydrogenases/reductases (SDR) family. This protein may play an important role in the peripheral utilization of 3-hydroxybutyrate. |
| Conjugation | HIS |
| Molecular Weight | 28.800kDa inclusive of tags |
| Form | Liquid |
| Purity | >95% by SDS-PAGE |
| Storage buffer | Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8.0 |
| Storage | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHSSGLVPRGSHMGRLDGKVIILTAQAQIGQAAALAFAREGAKVIATD
 INESKLQELEKYPGIQTRVLDVTKKKQIDQFANEVERLDVLFNVAGFVHHGTVLDCEE
 KDWDFSMNLNVRSMYLMIKAFLPKMLAQKSGNIINMSSVASSVKGVVNRCVYSTTK
 AAVIGLTKSVAADFIQQGIRCNCVCPGTVDTPSLQERIQARGNPEEARNDFLKRQKT
 GRFATAEEIAMLCVYLASDESAYVTGNPVIIDGGWSL

Sequence Similarities

Belongs to the short-chain dehydrogenases/reductases (SDR) family.

GENE INFORMATION

Gene Name [BDH2 3-hydroxybutyrate dehydrogenase, type 2 \[Homo sapiens \]](#)

Official Symbol [BDH2](#)

Synonyms

BDH2; 3-hydroxybutyrate dehydrogenase, type 2; dehydrogenase/reductase (SDR family) member 6 , DHRS6; 3-hydroxybutyrate dehydrogenase type 2; FLJ13261; PRO20933; SDR15C1; short chain dehydrogenase/reductase family 15C; member 1; UCPA OR; UNQ6308;

Gene ID [56898](#)

mRNA Refseq [NM_020139](#)


Protein Refseq [NP_064524](#)

Uniprot ID [Q9BUT1](#)


Chromosome Location 4q24

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|-----------------|--|
| Pathway | Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Synthesis and degradation of ketone bodies, organism-specific biosystem; Synthesis and degradation of ketone bodies, conserved biosystem; |
| Function | 3-hydroxybutyrate dehydrogenase activity; NAD binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-CH group of donors, NAD or NADP as acceptor; |

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