

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

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repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHHSSGLVPRGSHMGRLDGKVIILTAAAQGIGQAAALAFAREGAKVIATD
INESKLQELEKYPGIQTRVLDVTKKKQIDQFANEVERLDVLFNVAGFVHHGTVLDCEE
KDWDFSMNLNVRSMYLMIKAFLPKMLAQKSGNIINMSSVASSVKGVNRCVYSTTK
AAVIGLTKSVAADFIQQGIRCNCVCPGTVDTPSLQERIQARGNPPEARNDFLKRQKT
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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