

BDH2 recombinant protein

BDH2, 1-245aa, Human, His tag, E Coli

CATALOG # AAA48693	HOST E Coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

BDH2; 1-245aa; Human; His tag; E Coli; 3-hydroxybutyrate dehydrogenase type 2; DHRS6; EFA6R; FLJ13261; PRO20933; SDR15C1; uCPA-OR; uNQ6308; BDH2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol 0.1M NaCl
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	1-245aa
Sequence	MGSSHHHHHH SSGLVPRGSH MGRLDGKVII LTAAQGIGQ AAALAFAREG AKVIATDINE SKLQELEKYP GIQTRVLDVT KKKQIDQFAN EVERLDVLFN VAGFVHHGTV LDCEEKDWDF SMNLNVRSYMY LMIKAFLPKM LAQKSGNIIN MSSVASSVKG VVNRCVYSTT KAAVIGLTKS VAADFIQQGI RCNCVCPGTV DTPSLQERIQ ARGNP EEARN DFLKRQKTGR FATAEEIAML CVYLASDESA YVTGNPVIID GGWSL
Sequence Length	245
Applicable Applications for BDH2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for BDH2 recombinant protein	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. The cytoplasmic localization with its high ratio of oxidized NAD ⁺ , the NAD ⁺ dependence and the kinetic parameters of BDH2 make it suitable to convert high levels of circulating 3-hydroxybutyrate into acetoacetate. Recombinant human BDH2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for BDH2 recombinant protein	Metabolism
References	Guo K., et al. (2006). J. Biol. Chem., 281: 10291-10297; Ito K., et al. (2006). J. Mol. Biol., 355: 722-733.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66933014
NCBI GeneID	56898

NCBI Accession #	NP_064524
NCBI GenBank Nucleotide #	NM_020139.3
UniProt Accession #	Q9BUT1 ; Q503A0 ; Q6IA46 ; Q6UWD3 ; Q9H8S8 ; Q9NRX8 ; A8K295 ; B4DUF6
Molecular Weight	28.8 kDa (265aa), confirmed by MALDI-TOF
NCBI Official Full Name	3-hydroxybutyrate dehydrogenase type 2
NCBI Official Synonym Full Names	3-hydroxybutyrate dehydrogenase 2
NCBI Official Symbol	BDH2
NCBI Official Synonym Symbols	DHRS6; EFA6R; SDR15C1; UCPA-OR; UNQ6308; PRO20933
NCBI Protein Information	3-hydroxybutyrate dehydrogenase type 2
UniProt Protein Name	3-hydroxybutyrate dehydrogenase type 2
UniProt Gene Name	BDH2
UniProt Synonym Gene Names	DHRS6; SDR15C1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/bdh2-recombinant-protein-e-coli-sds-page/48693>