

Product datasheet for AR50166PU-S

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BDH1 (47-343, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: BDH1 (47-343, His-tag) human recombinant protein, 10 µg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MASAAEPVGS KAVLVTGCDS GFGFSLAKHL HSKGFLVFAG or AA Sequence: CLMKDKGHDG VKELDSLNSD RLRTVQLNVC SSEEVEKVVE IVRSSLKDPE KGMWGLVNNA

> GISTFGEVEF TSLETYKQVA EVNLWGTVRM TKSFLPLIRR AKGRVVNISS MLGRMANPAR SPYCITKFGV EAFSDCLRYE MYPLGVKVSV VEPGNFIAAT SLYSPESIOA IAKKMWEELP EVVRKDYGKK YFDEKIAKME

TYCSSGSTDT SPVIDAVTHA LTATTPYTRY HPMDYYWWLR MQIMTHLPGA ISDMIYIR

Tag: His-tag Predicted MW: 35.3 kDa Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 30% glycerol 0.2M NaCl, 2 mM DTT,

0.1 mM PMSF

Preparation: Liquid purified protein

Protein Description: Recombinant human BDH1 protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography.

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Storage:

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 004042

Locus ID: 622

Q02338 **UniProt ID:** Cytogenetics: 3q29

Synonyms: BDH; SDR9C1





Summary: This gene encodes a member of the short-chain dehydrogenase/reductase gene family. The

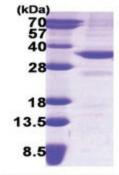
encoded protein forms a homotetrameric lipid-requiring enzyme of the mitochondrial membrane and has a specific requirement for phosphatidylcholine for optimal enzymatic activity. The encoded protein catalyzes the interconversion of acetoacetate and (R)-3-hydroxybutyrate, the two major ketone bodies produced during fatty acid catabolism. Alternatively spliced transcript variants encoding the same protein have been described.

[provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Butanoate metabolism, Metabolic pathways, Synthesis and degradation of ketone bodies

Product images:



15% SDS-PAGE (3ug)