

## **Product datasheet for AR50166PU-N**

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OriGene Technologies, Inc.

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

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** BDH1 (47-343, His-tag) human recombinant protein, 50 μg

Species: Human
Expression Host: E. coli

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 SLYSPESIQA 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.

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

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

RefSeq: <u>NP 004042</u>

Locus ID: 622

UniProt ID: Q02338

Cytogenetics: 3q29

Synonyms: BDH; SDR9C1





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

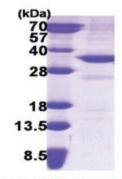
encoded protein forms a homotetrameric lipid-requiring enzyme of the mitochondrial membrane and has a specific requirement for phosphatidylcholine for optimal enzymatic activity. The encoded protein catalyzes the interconversion of acetoacetate and (R)-3-hydroxybutyrate, the two major ketone bodies produced 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)