

Product datasheet for **AR50166PU-N**

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 or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MASAAEPVGS KAVLVTGCDS GFGFSLAKHL HSKGFLVFAG CLMKDKGHDG VKELDSLNSD RLRTVQLNVC SSEEVEKVE IVRSSLKDPE KGMWGLVNNA GISTFGEVEF TSLETYKQVA EVNLWGTVRM TKSFLPLIRR AKGRVNISS MLGRMANPAR SPYCITKFGV EAFSDCLRYE MYPLGVKVSV VEPGNFIAAT SLYSPESIQ AIAKKMWEELP EWRKDYGKK YFDEKIAKME TYCSSGSTD T 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:	NP_004042
Locus ID:	622
UniProt ID:	Q02338
Cytogenetics:	3q29
Synonyms:	BDH; SDR9C1



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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: