

## Product datasheet for AR09822PU-L

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OriGene Technologies, Inc.

## BDH2 (1-245, His-tag) Human Protein

**Product data:** 

**Product Type: Recombinant Proteins** 

**Description:** BDH2 (1-245, His-tag) human recombinant protein, 0.5 mg

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

**Expression cDNA Clone** 

MGSSHHHHHH SSGLVPRGSH MGRLDGKVII LTAAAQGIGQ AAALAFAREG AKVIATDINE or AA Sequence: SKLQELEKYP GIQTRVLDVT KKKQIDQFAN EVERLDVLFN VAGFVHHGTV LDCEEKDWDF

> SMNLNVRSMY LMIKAFLPKM LAQKSGNIIN MSSVASSVKG VVNRCVYSTT KAAVIGLTKS VAADFIQQGI RCNCVCPGTV DTPSLQERIQ ARGNPEEARN DFLKRQKTGR FATAEEIAML

CVYLASDESA YVTGNPVIID GGWSL

Tag: His-tag

Predicted MW: 28.8 kDa Concentration: lot specific

**Purity:** >95%

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl

Liquid purified protein Preparation:

**Protein Description:** Recombinant human BDH2 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 up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 064524

Locus ID: 56898 **UniProt ID:** Q9BUT1

Cytogenetics: 4q24

Synonyms: DHRS6; EFA6R; PRO20933; SDR15C1; UCPA-OR; UNQ6308





**Summary:** Dehydrogenase that mediates the formation of 2,5-dihydroxybenzoic acid (2,5-DHBA), a

siderophore that shares structural similarities with bacterial enterobactin and associates with

LCN2, thereby playing a key role in iron assimilation and homeostasis. Plays a role in

susceptibility to bacterial infection by providing an assimilable source of iron that is exploited

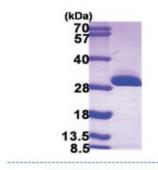
by pathogenic bacteria (By similarity). Also acts as a 3-hydroxybutyrate dehydrogenase

(PubMed:16380372).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

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

## **Product images:**



15% SDS-PAGE (3ug)