

## Product datasheet for **AR09822PU-N**

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

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	BDH2 (1-245, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	28.8 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95%
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human BDH2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_064524</a>
<b>Locus ID:</b>	56898
<b>Cytogenetics:</b>	4q24
<b>Synonyms:</b>	DHRS6; EFA6R; PRO20933; SDR15C1; UCPA-OR; UNQ6308
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome



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

**Product images:**

