

## Recombinant Human BDH2 293 Cell Lysate

**Cat. No.** BDH2-8472HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for 3-hydroxybutyrate dehydrogenase, type 2 (BDH2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** BDH2 3-hydroxybutyrate dehydrogenase, type 2 [ Homo sapiens ]

**Official Symbol** BDH2

**Synonyms** BDH2; 3-hydroxybutyrate dehydrogenase, type 2; dehydrogenase/reductase (SDR family) member 6 , DHRS6; 3-hydroxybutyrate dehydrogenase type 2; FLJ13261; PRO20933; SDR15C1; short chain dehydrogenase/reductase family 15C; member 1; UCPA OR; UNQ6308; oxidoreductase UCPA; R-beta-hydroxybutyrate dehydrogenase; dehydrogenase/reductase SDR family member 6; dehydrogenase/reductase (SDR family) member 6; short chain dehydrogenase/reductase family 15C, member 1; DHRS6; EFA6R; UCPA-OR;

**Gene ID** 56898

**mRNA Refseq** NM\_020139

**Protein Refseq** NP\_064524

**UniProt ID** Q9BUT1

**Chromosome Location** 4q24

**Pathway** Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Synthesis and degradation of ketone bodies, organism-specific biosystem; Synthesis and degradation of ketone bodies, conserved biosystem; ketolysis, organism-specific

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biosystem; ketolysis, conserved biosystem;

**Function**

3-hydroxybutyrate dehydrogenase activity; NAD binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-CH group of donors, NAD or NADP as acceptor;

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