

Recombinant Human BDH2 293 Cell Lysate

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

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	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.
Components	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).
Size	0.1 mg
Storage Instruction	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.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications

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 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

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

and degradation of ketone bodies, organism-specific biosystem; Synthesis and degradation of ketone bodies, conserved biosystem; ketolysis, organism-specific 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;

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA