

Recombinant Human GCDH 293 Cell Lysate

Cat. No. GCDH-5992HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for glutaryl-Coenzyme A dehydrogenase (GCDH), nuclear gene encoding mitochondrial protein, transcript variant 1 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

GCDH glutaryl-CoA dehydrogenase [Homo sapiens]

Official Symbol

GCDH

Synonyms

GCDH; glutaryl-CoA dehydrogenase; glutaryl Coenzyme A dehydrogenase; glutaryl-CoA dehydrogenase, mitochondrial; ACAD5; glutaryl-Coenzyme A dehydrogenase; GCD;

Gene ID

2639

mRNA Refseq

NM_000159

Protein Refseq

NP_000150

MIM

608801

UniProt ID

Q92947

**Chromosome
Location**

19p13.2

Pathway

Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem; Lysine catabolism, organism-specific biosystem; Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; Lysine degradation, lysine =>

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Function

fatty-acyl-CoA binding; flavin adenine dinucleotide binding; glutaryl-CoA dehydrogenase activity;

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