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.

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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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