

Recombinant Human PCCA 293 Cell Lysate

Cat. No. PCCA-3400HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for propionyl Coenzyme A carboxylase, alpha polypeptide (PCCA), 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

PCCA propionyl CoA carboxylase, alpha polypeptide [Homo sapiens]

Official Symbol

PCCA

Synonyms

PCCA; propionyl CoA carboxylase, alpha polypeptide; propionyl Coenzyme A carboxylase, alpha polypeptide; propionyl-CoA carboxylase alpha chain, mitochondrial; PCCase alpha subunit; pccA complementation group; propanoyl-CoA:carbon dioxide ligase alpha subunit;

Gene ID

5095

mRNA Refseq

NM_000282

Protein Refseq

NP_000273

MIM

232000

UniProt ID

P05165

Chromosome Location

13q32

Pathway

2-oxobutanoate degradation I, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate

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metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins,
organism-specific biosystem;

Function

ATP binding; biotin binding; biotin carboxylase activity; enzyme binding; ligase
activity; metal ion binding; nucleotide binding; propionyl-CoA carboxylase activity;

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