

Recombinant Human ACOX2 293 Cell Lysate

Cat. No. ACOX2-9085HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for acyl-Coenzyme A oxidase 2, branched chain (ACOX2) 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

ACOX2 acyl-CoA oxidase 2, branched chain [Homo sapiens]

Official Symbol

ACOX2

Synonyms

ACOX2; acyl-CoA oxidase 2, branched chain; acyl Coenzyme A oxidase 2, branched chain; peroxisomal acyl-coenzyme A oxidase 2; BRCACOX; BRCOX; THCA-CoA oxidase; trihydroxycoprostanoyl-CoA oxidase; acyl-Coenzyme A oxidase 2, branched chain; peroxisomal branched chain acyl-CoA oxidase; 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA oxidase; 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA 24-hydroxylase; BCOX; THCCox;

Gene ID

8309

mRNA Refseq

NM_003500

Protein Refseq

NP_003491

MIM

601641

UniProt ID

Q99424

Chromosome Location

3p14.3

Pathway

Beta-oxidation of pristanoyl-CoA, organism-specific biosystem; Bile acid and bile salt

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metabolism, organism-specific biosystem; Bile acid biosynthesis, cholesterol
=>cholate, organism-specific biosystem; Bile acid biosynthesis, cholesterol =>
cholate, conserved biosystem; Metabolic pathways, organism-specific biosystem;

Function

3alpha,7alpha,12alpha-trihydroxy-5beta-cholestanoyl-CoA 24-hydroxylase activity;
acyl-CoA dehydrogenase activity; acyl-CoA oxidase activity; fatty acid binding; flavin
adenine dinucleotide binding; pristanoyl-CoA oxidase activity;

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