

Recombinant Human ACOT8 293 Cell Lysate

Cat. No. ACOT8-9086HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for acyl-CoA thioesterase 8 (ACOT8), 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

ACOT8 acyl-CoA thioesterase 8 [Homo sapiens]

Official Symbol

ACOT8

Synonyms

ACOT8; acyl-CoA thioesterase 8; peroxisomal acyl CoA thioesterase , peroxisomal acyl CoA thioesterase 1 , PTE1; acyl-coenzyme A thioesterase 8; choloyl CoA hydrolase; hACTE III; hTE; PTE 2; thioesterase II; thioesterase III; choloyl-CoA hydrolase; palmitoyl-CoA hydrolase; choloyl-coenzyme A thioesterase; long-chain fatty-acyl-CoA hydrolase; peroxisomal acyl-CoA thioesterase 1; HIV-Nef associated acyl-CoA thioesterase; peroxisomal long-chain acyl-CoA thioesterase 1; peroxisomal acyl-coenzyme A thioester hydrolase 1; PTE1; PTE2; PTE-1; PTE-2; HNAACTE; hACTE-III;

Gene ID

10005

mRNA Refseq

NM_005469

Protein Refseq

NP_005460

MIM

608123

UniProt ID

O14734

**Chromosome
Location**

20pter-p12.3

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Pathway	Beta-oxidation of pristanoyl-CoA, organism-specific biosystem; Beta-oxidation of very long chain fatty acids, organism-specific biosystem; Bile acid and bile salt metabolism, organism-specific biosystem; Bile acid biosynthesis, cholesterol =>cholate, organism-specific biosystem; Bile acid biosynthesis, cholesterol => cholate, conserved biosystem;
Function	acyl-CoA hydrolase activity; carboxylesterase activity; choloyl-CoA hydrolase activity; hydrolase activity; protein binding;

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