

Recombinant Human ACOT12 293 Cell Lysate

Cat. No. ACOT12-9090HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for acyl-CoA thioesterase 12 (ACOT12) 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

[ACOT12 acyl-CoA thioesterase 12 \[Homo sapiens \]](#)

Official Symbol

ACOT12

Synonyms

ACOT12; acyl-CoA thioesterase 12; acyl-coenzyme A thioesterase 12; Cach; StAR related lipid transfer (START) domain containing 15; STARD15; THEAL; hCACH-1; cytosolic acetyl-CoA hydrolase; acyl-CoA thioester hydrolase 12; START domain-containing protein 15; cytoplasmic acetyl-CoA hydrolase 1; StAR-related lipid transfer (START) domain containing 15; CACH-1; MGC105114;

Gene ID

[134526](#)

mRNA Refseq

[NM_130767](#)

Protein Refseq

[NP_570123](#)

MIM

[614315](#)

UniProt ID

[Q8WYK0](#)

Chromosome Location

5q14.1

Pathway

Pyruvate metabolism, organism-specific biosystem; Pyruvate metabolism, conserved biosystem;

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Function

ATP binding; acetyl-CoA hydrolase activity; carboxylesterase activity; hydrolase activity;

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