

Recombinant Human ACAA1 293 Cell Lysate

Cat. No. ACAA1-9119HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for acetyl-Coenzyme A acyltransferase 1 (ACAA1), 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.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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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 [ACAA1 acetyl-CoA acyltransferase 1 \[Homo sapiens \]](#)

Official Symbol [ACAA1](#)

Synonyms [ACAA1](#); acetyl-CoA acyltransferase 1; acetyl Coenzyme A acyltransferase 1; 3-ketoacyl-CoA thiolase, peroxisomal; peroxisomal 3 oxoacyl Coenzyme A thiolase; beta-ketothiolase; peroxisomal 3-oxoacyl-CoA thiolase; acetyl-Coenzyme A acyltransferase 1; peroxisomal 3-oxoacyl-Coenzyme A thiolase; ACAA; THIO; PTHIO;

Gene ID [30](#)

mRNA Refseq [NM_001130410](#)

Protein Refseq [NP_001123882](#)

MIM [604054](#)

UniProt ID [P09110](#)

Chromosome Location [3p23-p22](#)

Pathway [Beta-oxidation of very long chain fatty acids, organism-specific biosystem](#); [Biosynthesis of unsaturated fatty acids, organism-specific biosystem](#); [Biosynthesis of unsaturated fatty acids, conserved biosystem](#); [Fatty acid metabolism, organism-specific biosystem](#); [Fatty acid metabolism, conserved biosystem](#); [Metabolic pathways](#),

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organism-specific biosystem; Metabolism, organism-specific biosystem;

Function

acetyl-CoA C-acyltransferase activity; protein binding; transferase activity, transferring acyl groups other than amino-acyl groups;

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