

Recombinant Human ACSS2 293 Cell Lysate

Cat. No. ACSS2-9068HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for acyl-CoA synthetase short-chain family member 2 (ACSS2), 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

ACSS2 acyl-CoA synthetase short-chain family member 2 [Homo sapiens]

Official Symbol

ACSS2

Synonyms

ACSS2; acyl-CoA synthetase short-chain family member 2; ACAS2, acetyl Coenzyme A synthetase 2 (ADP forming); acetyl-coenzyme A synthetase, cytoplasmic; AceCS; ACS; ACSA; dJ1161H23.1; acetate thiokinase; acetate-CoA ligase; acyl-activating enzyme; cytoplasmic acetyl-coenzyme A synthetase; acetyl-Coenzyme A synthetase 2 (ADP forming); ACAS2; ACECS; DKFZp762G026;

Gene ID

55902

mRNA Refseq

NM_001076552

Protein Refseq

NP_001070020

MIM

605832

UniProt ID

Q9NR19

**Chromosome
Location**

20q11.22

Pathway

Biological oxidations, organism-specific biosystem; Ethanol oxidation, organism-specific biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty

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Acid Biosynthesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; Metabolic pathways, organism-specific biosystem;

Function

AMP binding; AMP binding; ATP binding; acetate-CoA ligase activity; acetate-CoA ligase activity; catalytic activity; ligase activity; nucleotide binding;

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