Recombinant Human ACSS3 293 Cell Lysate

Cat. No. ACSS3-9067HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for acyl-CoA synthetase short-chain family member 3 (ACSS3) 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	ACSS3 acyl-CoA synthetase short-chain family member 3 [Homo sapiens]
Official Symbol	ACSS3
Synonyms	ACSS3; acyl-CoA synthetase short-chain family member 3; acyl-CoA synthetase short-chain family member 3, mitochondrial; FLJ21963; AMP-binding enzyme, 33217;
Gene ID	79611
mRNA Refseq	NM_024560
Protein Refseq	NP_078836
MIM	614356
UniProt ID	Q9H6R3
Chromosome Location	12q21.31
Pathway	Metabolic pathways, organism-specific biosystem; Propanoate metabolism, organism-specific biosystem; Propanoate metabolism, conserved biosystem; acetate conversion to acetyl-CoA, organism-specific biosystem; ethanol degradation II, organism-specific biosystem; ethanol degradation IV, organism-specific biosystem; oxidative ethanol degradation III, organism-specific biosystem;

Function	ATP binding; acetate-CoA ligase activity; ligase activity; nucleotide binding;

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