

Recombinant Human ACSS1 cell lysate

Cat. No. ACSS1-19HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	An acetyl-CoA synthetase found in the mitochondrial matrix has been characterized in both cow and mouse. It is primarily a cardiac enzyme which produces acetyl-CoA mainly for the oxidation of acetate. The protein encoded by this gene is structurally similar to the cow and mouse proteins and therefore may serve a similar function in humans.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	ACSS1 acyl-CoA synthetase short-chain family member 1 [Homo sapiens]
Official Symbol	ACSS1
Synonyms	ACSS1; acyl-CoA synthetase short-chain family member 1; ACAS2L, acetyl Coenzyme A synthetase 2 (AMP forming) like; acetyl-coenzyme A synthetase 2-like, mitochondrial; AceCS2L; dJ568C11.3; MGC33843; acetate--CoA ligase 2; ACAS2L;

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	ACECS1; FLJ45659;
Gene ID	84532
mRNA Refseq	NM_001252675
Protein Refseq	NP_001239604
MIM	614355
UniProt ID	Q9NUB1
Chromosome Location	20p11.23-p11.21
Pathway	Biological oxidations, organism-specific biosystem; Ethanol oxidation, organism-specific biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Phase 1 - Functionalization of compounds, organism-specific biosystem;
Function	AMP binding; ATP binding; acetate-CoA ligase activity; acetate-CoA ligase activity; catalytic activity; ligase activity; nucleotide binding; protein binding;