

Human ACSS2 Knockdown Cell Lysate

Cat. No. ACSS2-473HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated ACSS2 Knockdown HT-1080 Cell Lysate
Species	Human
Source	HT-1080
Description	This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synthesis and energy generation. The protein acts as a monomer and produces acetyl-CoA from acetate in a reaction that requires ATP. Expression of this gene is regulated by sterol regulatory element-binding proteins, transcription factors that activate genes required for the synthesis of cholesterol and unsaturated fatty acids. Alternative splicing results in multiple transcript variants.
Form	Cell-Tissue Lysis buffer
Molecular Mass	79 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HT-1080 cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg ACSS2 KD HT-1080 cell lysate
Protein Pathways	Glycolysis / Gluconeogenesis, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	ACSS2 acyl-CoA synthetase short-chain family member 2 [Homo sapiens (human)]
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

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