

Recombinant Human ACSS2 Protein, His-tagged

Cat. No. ACSS2-67H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACSS2 Protein (Ala489-Gln701) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala489-Gln701
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.5 kDa Accurate Molecular Mass: 31 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
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

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UniProt ID

Q9NR19

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