

Recombinant Human ACSS1 Protein, His-tagged

Cat. No. ACSS1-65H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACSS1 Protein (Phe517-Lys689) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe517-Lys689
Description	This gene encodes a mitochondrial acetyl-CoA synthetase enzyme. A similar protein in mice plays an important role in the tricarboxylic acid cycle by catalyzing the conversion of acetate to acetyl CoA. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.7 kDa Accurate Molecular Mass: 27 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

ACSS1 acyl-CoA synthetase short-chain family member 1 [Homo sapiens (human)]

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; ACECS1; FLJ45659

Gene ID

84532

mRNA Refseq

NM_001252675

Protein Refseq

NP_001239604

MIM

614355

UniProt ID

Q9NUB1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA