

Recombinant Mouse Acss1 Protein, His-tagged

Cat. No. Acss1-66M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acss1 Protein (Asn414-Asn682) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn414-Asn682
Description	Enables acetate-CoA ligase activity and propionate-CoA ligase activity. Acts upstream of or within acetyl-CoA biosynthetic process. Located in mitochondrial matrix. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; respiratory system; and sensory organ. Orthologous to human ACSS1 (acyl-CoA synthetase short chain family member 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.5 kDa Accurate Molecular Mass: 33 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

[Acss1 acyl-CoA synthetase short-chain family member 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Acss1](#)

Synonyms

ACSS1; acyl-CoA synthetase short-chain family member 1; acetyl-coenzyme A synthetase 2-like, mitochondrial; acetate--CoA ligase 2; acetyl-CoA synthetase 2; Acas2; Acas2l; AceCS2; AI788978; 1110032O15Rik

Gene ID

[68738](#)

mRNA Refseq

[NM_080575](#)

Protein Refseq

[NP_542142](#)

UniProt ID

[Q99NB1](#)

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