

Recombinant Mouse Acsm1 Protein, His-tagged

Cat. No. Acsm1-61M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acsm1 Protein (Glu119-Val362) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu119-Val362
Description	Enables benzoate-CoA ligase activity; butyrate-CoA ligase activity; and decanoate-CoA ligase activity. Acts upstream of or within fatty acid biosynthetic process. Located in mitochondrion. Is expressed in lung and urinary system. Orthologous to human ACSM1 (acyl-CoA synthetase medium chain family member 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.1 kDa Accurate Molecular Mass: 31 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

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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

[Acsm1 acyl-CoA synthetase medium-chain family member 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Acsm1](#)

Synonyms

Acsm1; acyl-CoA synthetase medium-chain family member 1; Macs; Acas3; Bucs1; acyl-coenzyme A synthetase ACSM1, mitochondrial; acetyl-Coenzyme A synthetase 3; benzoate--CoA ligase; butyrate--CoA ligase 1; butyryl Coenzyme A synthetase 1; butyryl-coenzyme A synthetase 1; lipoate-activating enzyme; middle-chain acyl-CoA synthetase 1; EC 6.2.1.2; EC 6.2.1.25

Gene ID

[117147](#)

mRNA Refseq

[NM_054094](#)

Protein Refseq

[NP_473435](#)

UniProt ID

[Q91VA0](#)

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