

Recombinant Mouse Acsm3 Protein, His-tagged

Cat. No. Acsm3-63M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acsm3 Protein (Ala346-Thr580) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala346-Thr580
Description	Enables butyrate-CoA ligase activity; fatty acid ligase activity; and propionate CoA-transferase activity. Acts upstream of or within fatty acid biosynthetic process. Located in mitochondrial matrix. Is expressed in alimentary system; integumental system; and lower urinary tract. Human ortholog(s) of this gene implicated in IgA glomerulonephritis. Orthologous to human ACSM3 (acyl-CoA synthetase medium chain family member 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.1 kDa Accurate Molecular Mass: 33 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	Acsm3 acyl-CoA synthetase medium-chain family member 3 [Mus musculus (house mouse)]
Official Symbol	Acsm3
Synonyms	ACSM3; acyl-CoA synthetase medium-chain family member 3; acyl-coenzyme A synthetase ACSM3, mitochondrial; protein SA homolog; butyrate--CoA ligase 3; butyryl coenzyme A synthetase 3; butyryl-coenzyme A synthetase 3; SA hypertension-associated homolog; middle-chain acyl-CoA synthetase 3; Sa; Sah
Gene ID	20216
mRNA Refseq	NM_016870
Protein Refseq	NP_058566
UniProt ID	Q3UNX5

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