

Recombinant Rat Acsm3 Protein, His-tagged

Cat. No. Acsm3-64R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Acsm3 Protein (Ser319-Thr580) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser319-Thr580
Description	Predicted to enable acid-thiol ligase activity; fatty-acyl-CoA synthase activity; and propionate CoA-transferase activity. Predicted to be involved in acyl-CoA metabolic process and fatty acid biosynthetic process. Predicted to be located in mitochondrion. Predicted to be active in mitochondrial matrix. Used to study hypertension. Biomarker of ocular hypertension. 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: 33.2 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 [Rattus norvegicus (Norway rat)]
Official Symbol	Acsm3
Synonyms	ACSM3; acyl-CoA synthetase medium-chain family member 3; acyl-coenzyme A synthetase ACSM3, mitochondrial; ssubA; protein SA; 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 rat hypertension-associated homolog; SA rat hypertension-associated protein; Sa; Sah
Gene ID	24763
mRNA Refseq	NM_033231
Protein Refseq	NP_150234

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UniProt ID

Q6SKG1

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