

Recombinant Mouse Acss2 Protein, His-tagged

Cat. No. Acss2-68M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acss2 Protein (Pro492-Gln701) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Pro492-Gln701
Description	Enables acetate-CoA ligase activity and propionate-CoA ligase activity. Acts upstream of or within acetyl-CoA biosynthetic process. Located in cytoplasm. Is expressed in several structures, including alimentary system; genitourinary system; liver; nervous system; and sensory organ. Human ortholog(s) of this gene implicated in orofacial cleft. Orthologous to human ACSS2 (acyl-CoA synthetase short chain family member 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.1 kDa Accurate Molecular Mass: 31 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	Acss2 acyl-CoA synthetase short-chain family member 2 [Mus musculus (house mouse)]
Official Symbol	Acss2
Synonyms	ACSS2; acyl-CoA synthetase short-chain family member 2; acetyl-coenzyme A synthetase, cytoplasmic; ACS; aceCS; acetate--CoA ligase; acyl-activating enzyme; acetyl-CoA synthetase 1; acetyl-Coenzyme A synthetase 1 (AMP forming); acetyl-Coenzyme A synthetase 2 (ADP forming); acetyl-Coenzyme A synthetase 2 (AMP forming); ACAS; Acs1; Acas1; Acas2; AceCS1; 1110017C11Rik
Gene ID	60525
mRNA Refseq	NM_019811
Protein Refseq	NP_062785

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UniProt ID

Q9QXG4

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