

Recombinant Mouse Aacs Protein, His-tagged

Cat. No. Aacs-04M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aacs Protein (Met1-Gly266) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Gly266
Description	Predicted to enable acetoacetate-CoA ligase activity and butyrate-CoA ligase activity. Predicted to be involved in several processes, including cellular response to glucose stimulus; positive regulation of insulin secretion; and response to oleic acid. Predicted to act upstream of or within fatty acid metabolic process. Predicted to be located in cytoplasm. Predicted to be active in cytosol. Is expressed in alimentary system; eye; hemolymphoid system; nervous system; and urinary system. Orthologous to human AACS (acetoacetyl-CoA synthetase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34 kDa Accurate Molecular Mass: 34 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	Aacs acetoacetyl-CoA synthetase [Mus musculus (house mouse)]
Official Symbol	Aacs
Synonyms	AACS; acetoacetyl-CoA synthetase; SUR5; 2210408B16Rik
Gene ID	78894
mRNA Refseq	NM_030210
Protein Refseq	NP_084486
UniProt ID	Q9D2R0

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