

## Recombinant Mouse Acacb Protein, His-tagged

**Cat. No.** Acacb-21M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Acacb Protein (Pro2019-Arg2335) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Pro2019-Arg2335
<b>Description</b>	Enables acetyl-CoA carboxylase activity. Involved in several processes, including energy homeostasis; malonyl-CoA biosynthetic process; and negative regulation of fatty acid beta-oxidation. Acts upstream of or within fatty acid biosynthetic process. Located in mitochondrion. Is expressed in axial skeleton; cranium; and liver. Orthologous to human ACACB (acetyl-CoA carboxylase beta).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 39.8 kDa Accurate Molecular Mass: 40 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by

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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**

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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**

[Acacb acetyl-Coenzyme A carboxylase beta \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol**

[Acacb](#)

**Synonyms**

ACACB; acetyl-Coenzyme A carboxylase beta; Acc2; Accb; AI597064; AW743042

**Gene ID**

[100705](#)

**mRNA Refseq**

[NM\\_133904](#)

**Protein Refseq**

[NP\\_598665](#)

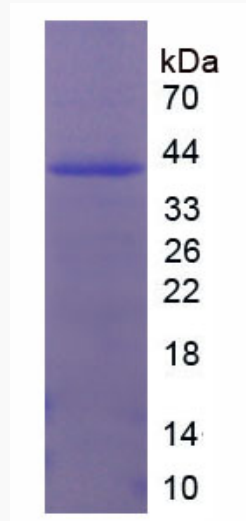
**UniProt ID**

[E9Q4Z2](#)

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