

Recombinant Mouse Acacb Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Acacb Protein (Pro2019-Arg2335) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Pro2019-Arg2335
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.8 kDa Accurate Molecular Mass: 40 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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](#)

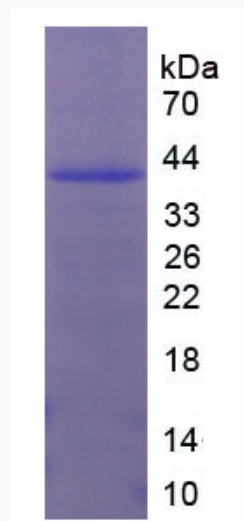
UniProt ID

[E9Q4Z2](#)

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