

Recombinant Mouse Acaca Protein, His-tagged

Cat. No. Acaca-19M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acaca Protein (Pro1184-Phe1351) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Pro1184-Phe1351
Description	Enables acetyl-CoA carboxylase activity. Involved in acetyl-CoA metabolic process; fatty acid biosynthetic process; and protein homotetramerization. Acts upstream of or within several processes, including cellular response to prostaglandin E stimulus; lipid homeostasis; and tissue homeostasis. Located in cytosol. Is expressed in several structures, including alimentary system; integumental system; nervous system; respiratory system; and sensory organ. Orthologous to human ACACA (acetyl-CoA carboxylase alpha).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.0 kDa Accurate Molecular Mass: 26 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	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.

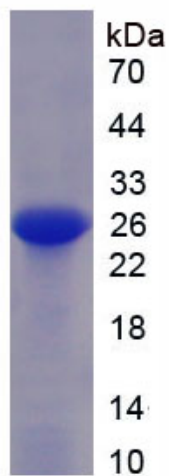
GENE INFORMATION

Gene Name	Acaca acetyl-Coenzyme A carboxylase alpha [Mus musculus (house mouse)]
Official Symbol	Acaca
Synonyms	ACACA; acetyl-Coenzyme A carboxylase alpha; acetyl-CoA carboxylase 1; ACC-alpha; acetyl-CoA carboxylase 265; Acac; Acc1; Gm738; A530025K05Rik
Gene ID	107476
mRNA Refseq	NM_133360
Protein Refseq	NP_579938
UniProt ID	Q5SWU9

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