

Recombinant Rat Acaca, His-tagged

Cat. No. Acaca-3051R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Acetyl-CoA carboxylase 1 (Acaca), partial
Species	Rat
Source	E.Coli/Yeast
ProteinLength	2345
Description	catalyzes the rate-limiting carboxylation of acetyl CoA to malonyl CoA during long-chain fatty acid synthesis .
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of Acaca recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [Acaca acetyl-CoA carboxylase alpha \[Rattus norvegicus \]](#)

Official Symbol Acaca

Synonyms ACACA; acetyl-CoA carboxylase alpha; acetyl-CoA carboxylase 1; ACC-alpha; acetyl-coenzyme A carboxylase alpha; ACC1; Acac;

Gene ID [60581](#)

mRNA Refseq [NM_022193](#)

Protein Refseq [NP_071529](#)

Pathway

ChREBP activates metabolic gene expression, organism-specific biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; Fatty Acyl-CoA Biosynthesis, organism-specific biosystem; Fatty acid biosynthesis, organism-specific biosystem; Fatty acid biosy

Function

ATP binding; ATP binding; acetyl-CoA carboxylase activity; acetyl-CoA carboxylase activity; acetyl-CoA carboxylase activity; acetyl-CoA carboxylase activity; biotin binding; biotin carboxylase activity; kinase binding; ligase activity; metal ion binding; nucleotide binding;

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