

Recombinant Rat Acat1, His-tagged

Cat. No. Acat1-3050R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Acetyl-CoA acetyltransferase, mitochondrial (Acat1)
Species	Rat
Source	E.Coli/Yeast
ProteinLength	424
Description	catalyzes the conversion of 2 acetyl-CoA molecules to acetoacetyl-CoA plus CoA .
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 Acat1 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
Warning	This product is for research use only. Not for use in diagnostic or therapeutic

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procedures.

GENE INFORMATION

Gene Name	Acat1 acetyl-CoA acetyltransferase 1 [Rattus norvegicus]
Official Symbol	Acat1
Synonyms	ACAT1; acetyl-CoA acetyltransferase 1; acetyl-CoA acetyltransferase, mitochondrial; acetoacetyl-CoA thiolase; acetyl-coenzyme A acetyltransferase 1; acetyl-Co A acetyltransferase 1 mitochondrial; RATACAL;
Gene ID	25014
mRNA Refseq	NM_017075
Protein Refseq	NP_058771
Pathway	Beta Oxidation Meta Pathway, organism-specific biosystem; Branched-chain amino acid catabolism, organism-specific biosystem; Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; C5 isoprenoid biosynthesis, mevalona
Function	acetyl-CoA C-acetyltransferase activity; acetyl-CoA C-acetyltransferase activity; coenzyme binding; enzyme binding; metal ion binding; protein homodimerization activity; transferase activity, transferring acyl groups other than amino-acyl groups;

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