

## Recombinant Rat Acat1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Acetyl-CoA acetyltransferase, mitochondrial (Acat1)
<b>Species</b>	Rat
<b>Source</b>	E.Coli/Yeast
<b>ProteinLength</b>	424
<b>Description</b>	catalyzes the conversion of 2 acetyl-CoA molecules to acetoacetyl-CoA plus CoA .
<b>Form</b>	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
<b>Purity</b>	>90%
<b>Notes</b>	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.
<b>Storage</b>	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
<b>Storage Buffer</b>	PBS pH 7.4, 50% glycerol
<b>Warning</b>	This product is for research use only. Not for use in diagnostic or therapeutic

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

procedures.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Acat1 acetyl-CoA acetyltransferase 1 [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	Acat1
<b>Synonyms</b>	ACAT1; acetyl-CoA acetyltransferase 1; acetyl-CoA acetyltransferase, mitochondrial; acetoacetyl-CoA thiolase; acetyl-coenzyme A acetyltransferase 1; acetyl-Co A acetyltransferase 1 mitochondrial; RATACAL;
<b>Gene ID</b>	<a href="#">25014</a>
<b>mRNA Refseq</b>	<a href="#">NM_017075</a>
<b>Protein Refseq</b>	<a href="#">NP_058771</a>
<b>Pathway</b>	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
<b>Function</b>	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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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