

## Recombinant Human ACACA protein, His/MBP-tagged

**Cat. No.** ACACA-375H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ACACA(2264-2383 aa) fused with His/MBP tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	2264-2383 aa
<b>Description</b>	<p>Acetyl-CoA carboxylase (ACC) is a complex multifunctional enzyme system. ACC is a biotin-containing enzyme which catalyzes the carboxylation of acetyl-CoA to malonyl-CoA, the rate-limiting step in fatty acid synthesis. There are two ACC forms, alpha and beta, encoded by two different genes. ACC-alpha is highly enriched in lipogenic tissues. The enzyme is under long term control at the transcriptional and translational levels and under short term regulation by the phosphorylation/dephosphorylation of targeted serine residues and by allosteric transformation by citrate or palmitoyl-CoA. Multiple alternatively spliced transcript variants divergent in the 5' sequence and encoding distinct isoforms have been found for this gene.</p>
<b>Form</b>	Liquid in PBS
<b>Purity</b>	SDS-PAGE >90%
<b>Applications</b>	WB Positive Control

 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

<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">ACACA acetyl-CoA carboxylase alpha [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">ACACA</a>
<b>Synonyms</b>	ACACA; acetyl-CoA carboxylase alpha; ACAC, ACC, acetyl Coenzyme A carboxylase alpha; acetyl-CoA carboxylase 1; ACC1; acetyl CoA carboxylase 1; ACC-alpha; acetyl-Coenzyme A carboxylase alpha; ACC; ACAC; ACCA; ACACAD;
<b>Gene ID</b>	<a href="#">31</a>
<b>mRNA Refseq</b>	<a href="#">NM_198834</a>
<b>Protein Refseq</b>	<a href="#">NP_942131</a>
<b>MIM</b>	<a href="#">200350</a>
<b>UniProt ID</b>	<a href="#">Q13085</a>

 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