

## Recombinant Human ACACB Protein, GST-Tagged

**Cat. No.** ACACB-127H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ACACB partial ORF ( NP_001084, 22 a.a. - 120 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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. ACC-beta is thought to control fatty acid oxidation by means of the ability of malonyl-CoA to inhibit carnitine-palmitoyl-CoA transferase I, the rate-limiting step in fatty acid uptake and oxidation by mitochondria. ACC-beta may be involved in the regulation of fatty acid oxidation, rather than fatty acid biosynthesis. There is evidence for the presence of two ACC-beta isoforms. [provided by RefSeq, Jul 2008]
<b>Molecular Mass</b>	36.63 kDa
<b>AA Sequence</b>	IWGKMTDSKPITKSKSEANLIPSQEPFPASDNSGETPQRNGEGHTLPKTPSQAEPAS HKGPKDAGRRRNSLPPSHQKPPRNPLSSSDAAPSPELQANGT
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

 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>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

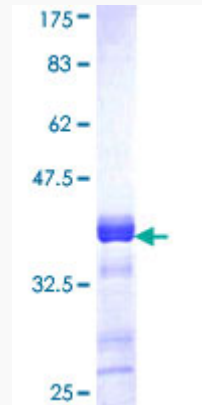
## GENE INFORMATION

<b>Gene Name</b>	ACACB acetyl-CoA carboxylase beta [ Homo sapiens ]
<b>Official Symbol</b>	ACACB
<b>Synonyms</b>	ACACB; acetyl-CoA carboxylase beta; acetyl Coenzyme A carboxylase beta; acetyl-CoA carboxylase 2; ACC2; ACCB; acetyl CoA carboxylase 2; HACC275; ACC-beta; acetyl-Coenzyme A carboxylase beta;
<b>Gene ID</b>	32
<b>mRNA Refseq</b>	NM_001093
<b>Protein Refseq</b>	NP_001084
<b>MIM</b>	601557
<b>UniProt ID</b>	O00763

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12.5% SDS-PAGE Stained with Coomassie Blue.

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