

Recombinant Human ACACB Protein, GST-Tagged

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

SPECIFICATION

Product Overview	Human ACACB partial ORF (NP_001084, 22 a.a. - 120 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	36.63 kDa
AA Sequence	IWGKMTDSKPITKSKSEANLIPSQEPFPASDNSGETPQRNGEGHTLPKTPSQAEPAS HKGPKDAGRRLNSLPPSHQKPPRNPLSSSDAAPSPQLQANGT
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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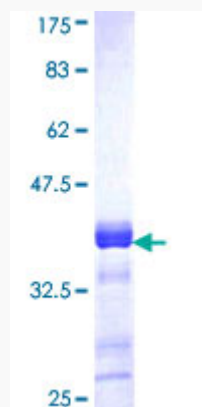
 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ACACB acetyl-CoA carboxylase beta [Homo sapiens]
Official Symbol	ACACB
Synonyms	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;
Gene ID	32
mRNA Refseq	NM_001093
Protein Refseq	NP_001084
MIM	601557
UniProt ID	O00763

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12.5% SDS-PAGE Stained with Coomassie Blue.

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