

# Recombinant Full Length Human ACAT1 Protein, GST-tagged

Cat. No. ACAT1-914HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ACAT1 full-length ORF ( AAH10942, 1 a.a. - 162 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	162 amino acids
<b>Description</b>	This gene encodes a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. Defects in this gene are associated with 3-ketothiolase deficiency, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone. [provided by RefSeq, Feb 2009]
<b>Molecular Mass</b>	43.45 kDa
<b>AA Sequence</b>	MAVLPALLRS GARSRSPLLR RLVQEIRYVE RSYVSKPTLK EVVIVSATRT PIGSFLGSL SLLPATKLSI AIQGAIEKAG IPKEEVKEAY MGNVLQGGEG QAPTRQAVLG AGLPISTPCT TINKVCASGM KAIMMASQSL MCGHQIKQET GSLAKICCHV RR
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

**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** [ACAT1 acetyl-CoA acetyltransferase 1 \[ Homo sapiens \]](#)

**Official Symbol** [ACAT1](#)

**Synonyms** ACAT1; acetyl-CoA acetyltransferase 1; ACAT, acetyl Coenzyme A acetyltransferase 1; acetyl-CoA acetyltransferase, mitochondrial; acetoacetyl Coenzyme A thiolase; THIL; acetoacetyl-CoA thiolase; acetyl-Coenzyme A acetyltransferase 1; mitochondrial acetoacetyl-CoA thiolase; T2; MAT; ACAT

**Gene ID** [38](#)

**mRNA Refseq** [NM\\_000019](#)

**Protein Refseq** [NP\\_000010](#)

**MIM** [607809](#)

**UniProt ID** [P24752](#)

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