Recombinant Full Length Human ACAT1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human ACAT1 full-length ORF (AAH10942, 1 a.a. - 162 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	162 amino acids
Description	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]
Molecular Mass	43.45 kDa
AA Sequence	MAVLPALLRS GARSRSPLLR RLVQEIRYVE RSYVSKPTLK EVVIVSATRT PIGSFLGSLS LLPATKLGSI AIQGAIEKAG IPKEEVKEAY MGNVLQGGEG QAPTRQAVLG AGLPISTPCT TINKVCASGM KAIMMASQSL MCGHQIKQET GSLAKICCHV RR
Applications	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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