

Recombinant Full Length Human ACAA1 Protein, GST-tagged

Cat. No. ACAA1-870HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACAA1 full-length ORF (NP_001598.1, 1 a.a. - 424 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	424 amino acids
Description	This gene encodes an enzyme operative in the beta-oxidation system of the peroxisomes. Deficiency of this enzyme leads to pseudo-Zellweger syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]
Molecular Mass	70.7 kDa
AA Sequence	MQRLQVVLGH LRGPADSGWM PQAAPCLSGA PQASAADV VV VHGRRTAICR AGRGGFKDTT PDELLSAVMT AVLKDVNL RP EQLGDI CVGN VLQPGAGAIM ARIAQFLSDI PETVPLSTVN RQCSSGLQAV ASIAGGIRNG SYDIGMACGV ESMSLADRG N PGNITSRLME KEKARDCLIP MGITSENV AE RFGISREKQD TFALASQQKA ARAQSKGCFQ AEIVPVTTTV HDDKGT KRSI TVTQDEGIRP STTMEGLAKL KPAFKKDGST TAGNSSQVSD GAAAILLARR SKAEELGLPI LGVLRSYAVV GVPPDIMGIG PAYAIPVALQ KAGLTVSDVD IFEINEAFAS QAAYCVEKLR LPPEKVNPLG GAVALGHPLG CTGARQVITL LNELKRRGKR AYGVVSMCIG TGMGAAAVFE YPGN

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production 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	ACAA1 acetyl-CoA acyltransferase 1 [Homo sapiens]
Official Symbol	ACAA1
Synonyms	ACAA1; acetyl-CoA acyltransferase 1; acetyl Coenzyme A acyltransferase 1; 3-ketoacyl-CoA thiolase, peroxisomal; peroxisomal 3 oxoacyl Coenzyme A thiolase; beta-ketothiolase; peroxisomal 3-oxoacyl-CoA thiolase; acetyl-Coenzyme A acyltransferase 1; peroxisomal 3-oxoacyl-Coenzyme A thiolase; ACAA; THIO; PTHIO
Gene ID	30
mRNA Refseq	NM_001130410
Protein Refseq	NP_001123882
MIM	604054
UniProt ID	P09110

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