

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

Protein Length 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

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MQRLQVVLGH LRGPADSGWM PQAAPCLSGA PQASAADV VV VHGRRTAICR
AGRGGFKDTT PDELLSAVMT AVLKDVNL RP EQLGDICVGN VLQPGAGAIM
ARIAQFLSDI PETVPLSTVN RQCSSGLQAV ASIAGGIRNG SYDIGMACGV
ESMSLADRGN PGNITSRLME KEKARDCLIP MGITSENVAE RFGISREKQD
TFALASQQKA ARAQSKGCFQ AEIVPVT TTV HDDKGTKRSI 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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