

Recombinant Full Length Human ACAA1 Protein, C-Flag-tagged

Cat. No. ACAA1-1167HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ACAA1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	44.1 kDa
AA Sequence	MQRLQVVLGHLRGPADSGWMPQAAPCLSGAPQASAADV VVVHGRRTAICRAGRG GFKDTPDELLSAVMT AVLKDVNLRPEQLGDICVGNVLQPGAGAIMARIAQFLSDIP ETVPLSTVNRCSSGLQAVASIAGGIRNG SYDIGMACGVESMSLADRGNPGNITSR LMEKEKARDCLIPMGITSENV AERFGISREKQDTFALASQQKA ARAQSKGCFQAEIV PVTTTVHDDKGTKRSITVTQDEGIRPSTTMEGLAKLKPAFKKDGSTTAGNSSQVSD GAAAILLARRSKAEELGLPILGVLRSYAVVGVPDIMGIGPAYAIPVALQKAGLTVSDV DIFEINEAFAS QAAYCVEKLRLPPEKVNPLGGAVALGHPLGCTGARQVITLLNELKR RGKRAYGVVSMCIGTGMGAAVFE YPGNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Biosynthesis of unsaturated fatty acids, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway, Valine, leucine and isoleucine degradation
Full Length	Full L.

GENE INFORMATION

Gene Name	ACAA1 acetyl-CoA acyltransferase 1 [Homo sapiens (human)]
Official Symbol	ACAA1
Synonyms	ACAA; THIO; PTHIO; Lnc-Myd88
Gene ID	30
mRNA Refseq	NM_001607.4
Protein Refseq	NP_001598.1

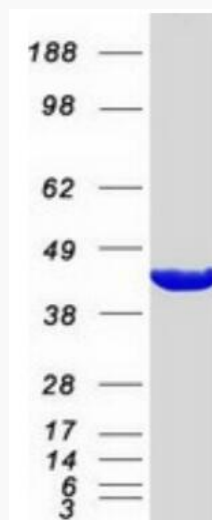
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MIM 604054

UniProt ID P09110



Coomassie blue staining of purified ACAA1 protein.

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