

Recombinant Human ACAA2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACAA2-6378H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACAA2 MS Standard C13 and N15-labeled recombinant protein (NP_006102) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The encoded protein catalyzes the last step of the mitochondrial fatty acid beta-oxidation spiral. Unlike most mitochondrial matrix proteins, it contains a non-cleavable amino-terminal targeting signal.
Molecular Mass	41.9 kDa
AA Sequence	MALLRGVFVVAAKRTPFGAYGGLLKDFTATDLSEFAAKAALSAGKVSPETVDSVIMG NVLQSSSDAIYLARHVGLRVGIPKETPALTINRLCGSGFQSIVNGCQEICVKEAEVVL CGGTESMSQAPYCVNRNVRFGTKLGSDIKLEDSLWVSLTDQHVQLPMAMTAENLAV KHKISREECDKYALQSQQRWKAANDAGYFNDEMAPIEVKTKKGKQTMQVDEHARP QTTLEQLKQLPPVFKKDGTVTAGNASGVADGAGAVIIASEDAVKKHNFTPLARIVGYF VSGCDPSIMGIGPVPAPISGALKKAGLSLKDMDLVEVNEAFAPQYLAVERSLLDISKT NVNGGAIALGHPLGGSGSRITAHLVHELRRRGKYAVGSACIGGGQGIAVIIQSTATR TRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ACAA2 acetyl-CoA acyltransferase 2 [Homo sapiens (human)]
Official Symbol	ACAA2
Synonyms	ACAA2; acetyl-CoA acyltransferase 2; acetyl Coenzyme A acyltransferase 2; 3-ketoacyl-CoA thiolase, mitochondrial; DSAEC; mitochondrial 3 oxoacyl Coenzyme A thiolase; T1; beta ketothiolase; beta-ketothiolase; acetyl-Coenzyme A acyltransferase 2; mitochondrial 3-oxoacyl-CoA thiolase; mitochondrial 3-oxoacyl-Coenzyme A thiolase; FLJ35992; FLJ95265;
Gene ID	10449
mRNA Refseq	NM_006111
Protein Refseq	NP_006102
MIM	604770
UniProt ID	P42765

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SDS-PAGE

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