

Recombinant Full Length Human ACAA2 Protein, C-Flag-tagged

Cat. No. ACAA2-1365HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ACAA2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.7 kDa
AA Sequence	MALLRGVVFVAAKRTPPGAYGGLLKDFTATDLSEFAAKAALSAGKVSPETVDSVIMG NVLQSSSDAIYLA RHVGLRVGIPKETPALTINRLCGSGFQSIVNGCQEICVKEAEVVL CGGTESMSQAPYCVNRNVRFGTKLGS DIKLEDSLWVSLTDQHVQLPMAAMTAENLAV KHKISREECDKYALQSQQRWKAANDAGYFNDEMAPIEVKT KKGKQTMQVDEHARP QTTLEQLQKLPPVFKKDGTVTAGNASGVADGAGAVIIASEDAVKKHNFTPLARIV GY FVSGCDPSIMGIGPVPAISGALKKAGLSLKDMDLVEVNEAFAPQYLAVERSLDLDISK TNVNGGAIAL GHPLGGSGSRITAHLVHELRRRGKYAVGSACIGGGQGIIVIIQSTATRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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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	Fatty acid elongation in mitochondria, Fatty acid metabolism, Metabolic pathways, Valine, leucine and isoleucine degradation
Full Length	Full L.

GENE INFORMATION

Gene Name	ACAA2 acetyl-CoA acyltransferase 2 [Homo sapiens (human)]
Official Symbol	ACAA2
Synonyms	DSAEC
Gene ID	10449
mRNA Refseq	NM_006111.3
Protein Refseq	NP_006102.2

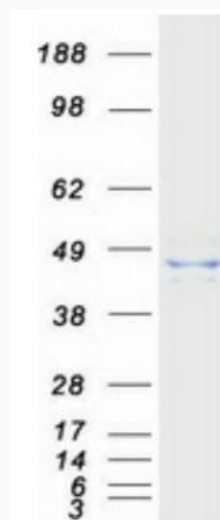
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MIM 604770

UniProt ID P42765



Coomassie blue staining of purified ACAA2 protein.

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