

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

MALLRGVVFVAAKRTPPFGAYGGLLKDFATDLSEFAAKAALSAGKVSPETVDSVIMG
 NVLQSSSDAIYLA RHVGLRVGIPKETPALTINRLCGSGFQSIVNGCQEICVKEAEVVL
 CGGTESMSQAPYCVRNVRFGTKLGS DIKLEDSLWVSLTDQHVQLPMAAMTAENLAV
 KHKISREECDKYALQSQQRWKAANDAGYFNDEMAPIEVKT KKGKQTMQVDEHARP
 QTTLEQLQKLPPVFKKDGTVTAGNASGVADGAGAVIIASEDAVKKHNFTPLARIV GY
 FVSGCDPSIMGIGPVPAISGALKKAGLSLKDMDLVEVNEAFAPQYLAVERSLDDISK
 TNVNGGAIAL
 GHPLGGSGSRITAHLVHELRRRGGKYAVGSACIGGGQGIAVIIQSTATRTRPLEQKLI
 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

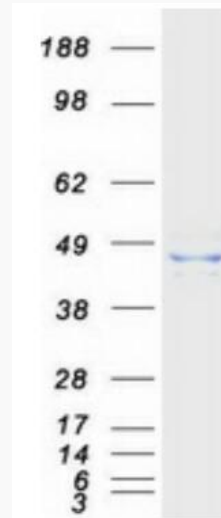
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MIM 604770

UniProt ID P42765



Coomassie blue staining of purified ACAA2 protein.

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