

Product datasheet for PH301096

ACAA2 (NM_006111) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACAA2 MS Standard C13 and N15-labeled recombinant protein (NP_006102)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201096
Predicted MW:	41.9 kDa
Protein Sequence:	>RC201096 protein sequence Red=Cloning site Green=Tags(s)

MALLRGVVFVAAKRTPFAYGGLLKDFATDLSEFAAKAALSAGKVSPETVDSVIMGNVLQSSSDAIYLA
RHVGLRVGIPKETPALTINRLCGSGFQSIIVNGCQEICVKEAEVVLGCGTESMSQAPYCVRNVRFGTKLGS
DIKLEDSLWVSLTDQHVQLPMAMTAENLAVKHKISREECDKYALQSQRWKAANDAGYFNDEMAPIEVKT
KKGKQTMQVDEHARPQTLEQLKLPVFKDGTVTAGNASGVADGAGAVIIASEDAVKKHNFPLARIV
GYFVSGCDPSIMGIGPVPATSGALKKAGLSLKMDLVEVNEAFAPQYLAVERSLDDISKTNVNGGAIAL
GHPLGGSGSRITAHLVHELRRRGKYAVGSACIGGGQGIIVIIQSTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_006102</u>
RefSeq Size:	1952
RefSeq ORF:	1191
Synonyms:	DSAEC
Locus ID:	10449



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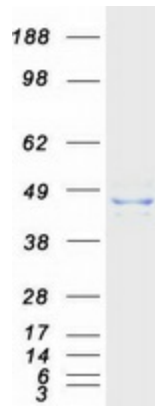
UniProt ID: [P42765](#), [B3KNP8](#)

Cytogenetics: 18q21.1

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Pathways: Fatty acid elongation in mitochondria, Fatty acid metabolism, Metabolic pathways, Valine, leucine and isoleucine degradation

Product images:



Coomassie blue staining of purified ACAA2 protein (Cat# [TP301096]). The protein was produced from HEK293T cells transfected with ACAA2 cDNA clone (Cat# [RC201096]) using MegaTran 2.0 (Cat# [TT210002]).