

Product datasheet for PH300213

ACAA1 (NM_001607) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACAA1 MS Standard C13 and N15-labeled recombinant protein (NP_001598)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200213
Predicted MW:	44.3 kDa
Protein Sequence:	>RC200213 protein sequence Red=Cloning site Green=Tags(s)

MQRLQVVLGHLRGPADSGWMPQAAPCLSGAPQASAADVVVVHGRRTAICRAGRGGFKDTPDELLSAVMT
AVLKDVNLRPEQLGDICVGNVLQPGAGAIMARIAQFLSDIPETVPLSTVNRQCSSGLQAVASIAGGIRNG
SYDIGMACGVESMSLADRGNPGNITSRLMEKEKARDCLIPMGITSENAERFGISREKQDTFALASQQKA
ARAQSKGCFQAEIVPVTTTVHDDKGTKRSITVTQDEGIRPSTTMEGLAKLKPFAKKDGSTTAGNSSQVSD
GAAAILLARRSKAEELGLPILGVLSYAVVGVPPDIMGIGPAYAIPVALQKAGLTVSDVDIFEINEAFAS
QAAAYCVEKLRLLPPEKVNPLGGAVALGHPLGCTGARQVITLLNELKRRGKRAYGVVSMCIGTMGAAAVFE
YPGN

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_001598</u>
RefSeq Size:	1840
RefSeq ORF:	1272
Synonyms:	ACAA; PTHIO; THIO



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Locus ID: 30

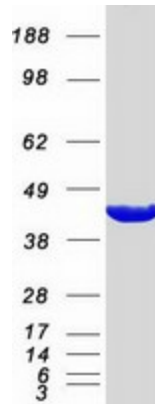
UniProt ID: [P09110](#), [A0A024R2M6](#)

Cytogenetics: 3p22.2

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Pathways: Biosynthesis of unsaturated fatty acids, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway, Valine, leucine and isoleucine degradation

Product images:



Coomassie blue staining of purified ACAA1 protein (Cat# [TP300213]). The protein was produced from HEK293T cells transfected with ACAA1 cDNA clone (Cat# [RC200213]) using MegaTran 2.0 (Cat# [TT210002]).