

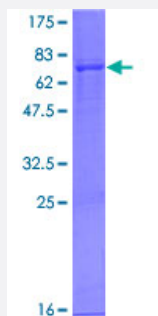
Full-Length

ACAA2 (Human) Recombinant Protein (P01)

Catalog # H00010449-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ACAA2 full-length ORF (AAH01918.1, 1 a.a. - 397 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALLRGVFVVAAKRTPFGAYGGLLKDFATDLDSEFAAKAALSAGKVSPETVDSVIMGNVLQSSS
DAMLARHVGLRVGIPKETPALTNRLCGSGFQSMVNGCQEICVKEAEVVLGGTESMSQAPYCVR
NVRFGTKLGSDIKLEDSLWVSLTDQHVQLPMAMTAENLAVKHKISREEDKYALQSQRWKAAN
DAGYFNDEMAPIEVKTKKGKQTMQVDEHARPQTTLQLQLPVPFKKDGTVTAGNASGVADGA
GAVIIASEDAVKKHNFPTLARVGYFVSGCDPSIMGIGPVPASGALKKAGLSLKDMDLVEVNEAFA
PQYLAVERSLDLDISKTNVNGGAIALGHPLGGSGSRITAHLVHELRRRGGKYAVGSACIGGGQGIA
VLIQSTA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.3

Interspecies Antigen Sequence

Mouse (87); Rat (87)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ACAA2

Entrez GeneID	10449
GeneBank Accession#	BC001918.1
Protein Accession#	AAH01918.1
Gene Name	ACAA2
Gene Alias	DSAEC, FLJ35992, FLJ95265
Gene Description	acetyl-Coenzyme A acyltransferase 2
Omim ID	604770
Gene Ontology	Hyperlink
Gene 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]
Other Designations	acetyl-coenzyme A acyltransferase 2 beta ketothiolase mitochondrial 3-oxoacyl-CoA thiolase mitochondrial 3-oxoacyl-Coenzyme A thiolase

Pathway

- [Fatty acid elongation in mitochondria](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [Valine](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)