

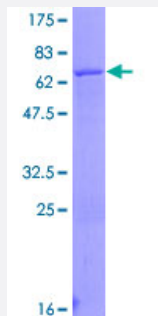
Full-Length

ACAA1 (Human) Recombinant Protein (P01)

Catalog # H00000030-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human ACAA1 full-length ORF (NP_001598.1, 1 a.a. - 424 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQRLQVVLGHLRGPADSGWMPQAAPCLSGAPQASAADV VVVHGRRTAICRAGRGGFKDTPD
ELLSAVMTAVLKDVNLRPEQLGDICVGNVLQPGAGAIMARIAQFLSDIPETVPLSTVNRQCSSGLQ
AVASIAGGIRNGSYDIGMACGVE SMLADRGNPGNITSRLMEKEKARDCLIPMGITSENV AERFGIS
REKQDTFALASQQKAARAQSKGCFQAEIPVTTTVHDDKGTKRSITVTQDEGIRPSTTMEGLAKL
KPAFKKDGSTTAGNSSQVSDGAAAILLARRSKAEELGLPILGVLSYAVVGVPPDIMGIGPAYAIPV
ALQKAGLTVSDVDIFEINEAFASQAAYCVEKLRLPPEKVNPLGGAVALGHPLGCTGARQVITLLNE
LKRRGKRAYGVVSMCIGTGMGAAAVFEYPGN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.7

Interspecies Antigen Sequence

Mouse (85); Rat (86)

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 — ACAA1

Entrez GeneID	30
GeneBank Accession#	NM_001607.2
Protein Accession#	NP_001598.1
Gene Name	ACAA1
Gene Alias	ACAA, PTHIO, THIO
Gene Description	acetyl-Coenzyme A acyltransferase 1
Omim ID	261515 604054
Gene Ontology	Hyperlink
Gene 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]
Other Designations	peroxisomal 3-oxoacyl-Coenzyme A thiolase

Pathway

- [Biosynthesis of unsaturated fatty acids](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Valine](#)

Disease

- [Anoxia](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)