

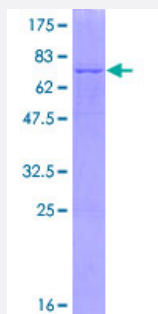
Full-Length

ACADS (Human) Recombinant Protein (P01)

Catalog # H00000035-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ACADS full-length ORF (AAH25963.1, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAALLARASGPARRALCPRAWRLHTIYQSVELPETHQMLLQTCRDFAEKELFPIAAQVDKEHL
FPAAQVKKMGGLGLLAMDVPEELGGAGLDYLAIAAMEEISRGCASTGVIMSVNNSLYLGPILKFG
SKEQKQAWVTPFTSGDKIGCFALSEPGNGSDAGAASTTARAEGDSWVLNGTKAWITNAWEASA
AVVFASTDRALQNKSSAFLVPMPTPGLTLGKKEDKLGRGSSTANLIFEDCRIPKDSILGEPGMGF
KIAMQTLDMGRIGIASQALGIAQTALDCAVNYAENRMAFGAPLTKLQVIQFKLADMALALESARLLT
WRAAMLKDNKKPFIKEAAMAKLAASEAATAISHQAIQILGGMGYVTEMPAERHYRDARITEIEGTS
EQRLVIAGHLLRSYRS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.7

Interspecies Antigen Sequence

Mouse (90); Rat (90)

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 — ACADS

Entrez GeneID	35
GeneBank Accession#	BC025963.1
Protein Accession#	AAH25963.1
Gene Name	ACADS
Gene Alias	ACAD3, SCAD
Gene Description	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain
Omim ID	201470 606885
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in this gene have been associated with Short Chain Acyl-CoA Dehydrogenase Deficiency. [provided by RefSeq]
Other Designations	butyryl-CoA dehydrogenase short chain acyl-CoA dehydrogenase unsaturated acyl-CoA reductase

Pathway

- [Butanoate metabolism](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [Valine](#)

Disease

- [Alcoholism](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Interview](#)
- [Lipid Metabolism](#)