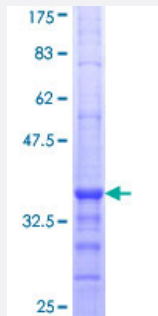


ACADS (Human) Recombinant Protein (Q01)

Catalog # H00000035-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ACADS partial ORF (NP_000008, 132 a.a. - 221 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SKEQKQAWVTPFTSGDKIGCFALSEPGNGSDAGAASTTARAEGDSWVLNGTKAWITNAWEASA AVVFASTDRALQNKGISAFVPMPTPG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
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#	NM_000017
Protein Accession#	NP_000008
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](#)