

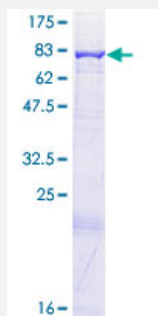
Full-Length

ACAD9 (Human) Recombinant Protein (P01)

Catalog # H00028976-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ACAD9 full-length ORF (NP_054768.2, 1 a.a. - 621 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSGCGLFLRTTAAARACRGLVVSTANRRLLRTSPPVRAFAKELFLGKIKKKEVFPPPEVSQDELN
EINQFLGPVEKFFTEEVDNRKIDQEGKIPDETLEKLKSLGLFGLQVPEEYGGGLGFSNTMYSRLGEII
SMDGSITVTLAAHQAGLKGIIAGTEEQKAKYLPKLASGEHIAAFCLTEPASGSDAASIRSRATLSE
DKKHLYLNGSKVWITNGGLANIFTVFAKTEVVSDSGSVKDKITAFIVERDFGGVTNGKPEDKLGIRG
SNTCEVHFENTKIPVENILGEVGDGFKVAMNINSGRFSMGSVVAGLLKRLIEMTAEYACTRKQFN
KRLSEFGLIQEKFALMAQKAYVMESMTYLTAGMLDQPGFDCSIEAAMVKVFSSEAAWQCVSEA
LQILGGLGYTRDYPYERILRDTRILLIFEGTNEILRMYALTGLQHAGRILTTRIHELKQAKVSTVMDTVG
RRLRDSLGRVDLGLTGNHGVVHPSLADSANKFEENTYCFGRVETLLLRFGKTIMEEQLVLKRV
ANILINLYGMTAVLSRASRSIRIGLRNHDHEVLLANTFCVEAYLQNLFSLSQLDKYAPENLDEQIKKV
SQQILEKRAYICAHPLDRTC

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

95.2

Interspecies Antigen Sequence

Mouse (85); Rat (85)

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 — ACAD9

Entrez GeneID	28976
GeneBank Accession#	NM_014049.3
Protein Accession#	NP_054768.2
Gene Name	ACAD9
Gene Alias	ACAD-9, FLJ23533, MGC14452, NPD002
Gene Description	acyl-Coenzyme A dehydrogenase family, member 9
Omim ID	611103 611126
Gene Ontology	Hyperlink
Gene Summary	Mitochondrial fatty acid beta-oxidation is one of the main energy-producing metabolic pathways in eukaryotes. Acyl-CoA dehydrogenases (ACADs; EC 1.3.99.13) are mitochondrial enzymes that catalyze the initial rate-limiting step in the beta-oxidation of fatty acyl-CoA. ACAD9 belongs to a group of ACADs that act on fatty acids containing 14 to 20 carbons (Zhang et al., 2002 [PubMed 12359260]).[supplied by OMIM]
Other Designations	acyl-CoA dehydrogenase 9 very-long-chain acyl-CoA dehydrogenase VLCAD

Pathway

- [1- and 2-Methylnaphthalene degradation](#)
- [Geraniol degradation](#)