

Product datasheet for **TP509542**

Acad9 (NM_172678) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse acyl-Coenzyme A dehydrogenase family, member 9 (Acad9), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR209542 protein sequence
Red=Cloning site **Green**=Tags(s)

MSGCVLLSRGATAAAAAARASRVLREFTARRRPLHTSLQSCSFAKELFLGNKQKGVFPFPEVSQHELSE
INQFVGPLEKFFTEEVDSRKIDQEGKIPVDTLEKLKSLGLFGIQVPEEYGGGLSNTMYARLGEIISLDA
SITVTLAAHQAIGLKGIIIVGNDEQKAKYLPKLSSGEHIAAFCLTEPASGSDAASIQRATLSEDKKYFI
LNGSKVWITNGGLANIFTVFAKTEVVDSDGSKTDKMTAFIVERDFGGITNGKPEDKLGIRGSNTCEVHFE
NTRVPVENVLGEVGGGFKVAMNINSGRFSMGSVAVAGMLKKLIeltaEYACTRKQFNRLNSEFGLIQEKF
ALMAQKAYVMESMAYLTSGMLDQPGFPDCSIEAAMVKVFSSEAAWQCSEALQILGGSGYMKDYPYERML
RDARILLIFEGTNEILRLFIALTGLQHAGRILTSRIKELKSGNVTTVMETIGRKL RDSLGRVLDLGLTGD
LGVVHPSLGD SANKLEENVHYFGRTVETLLRFRGKNIVEEQVLVLRVANILINLYGMTAVLSRASRSIRI
GLRNDHEVLLANMFCVEAYFQNLFSLSQLDKNAPENLDEQIKKVSQILEKRAYICAHPLDRAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 68.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_766266](#)

Locus ID: 229211

UniProt ID: [Q8JZN5](#)

RefSeq Size: 3913

Cytogenetics: 3 B

RefSeq ORF: 1878

Synonyms: 2600017P15Rik; 4732402K02; C630012L17Rik; NPD002

Summary: Required for mitochondrial complex I assembly (By similarity). Has a dehydrogenase activity on palmitoyl-CoA (C16:0) and stearoyl-CoA (C18:0). It is three times more active on palmitoyl-CoA than on stearoyl-CoA. However, it does not play a primary role in long-chain fatty acid oxidation (By similarity). Has little activity on octanoyl-CoA (C8:0), butyryl-CoA (C4:0) or isovaleryl-CoA (5:0) (By similarity).[UniProtKB/Swiss-Prot Function]