

ACADS Antibody

*Acyl-Coenzyme A Dehydrogenase, C-2 to C-3, Mouse Anti Human
ABM0002*

Product Overview

Name ACADS Antibody

Description

Acyl-Coenzyme A Dehydrogenase, C-2 to C-3, Mouse Anti Human

Synonyms

ACAD3, SCAD, EC 1.3.99.2, Short-chain specific acyl-CoA dehydrogenase, mitochondrial, Butyryl-CoA dehydrogenase, ACADS.

Introduction

ACADS is a tetrameric mitochondrial flavoprotein, which is part of the acyl-CoA dehydrogenase family. ACADS catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in ACADS have been associated with Short Chain Acyl-CoA Dehydrogenase Deficiency.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The protein contains 20mM Tris buffer pH-8, 1mM DTT, 20% glycerol and 100mM NaCl.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSSLVPRGSH MLHTIYQSVE LPETHQMLLQ TCRDFAEKEL FPIAAQVDKE HLFPAQVKK
MGGLGLLAMD VPEELGGAGL DYLAYAIAME EISRGCASTG VIMSVNNSLY LGPILKFGSK EQKQAWVTPF
TSGDKIGCFA LSEPGNGSDA GAASTTARAE GDSWVLNGTK AWITNAWEAS AAVVFASTDR ALQNKSISAF
LVPMPTPGLT LGKKEDKLG I RGSSTANLIF EDCRIPKDSI LGEPGMGFKI AMQTLDMGRI GIASQALGIA
QTALDCAVNY AENRMAFGAP LTKLQVIQFK LADMALAES ARLLTWRAAM LKDNKKPFIK EAAMAKLAAS
EAATAISHQA IQILGGMGYV TEMPAERHYR DARITEIYEG TSEIQLRVIA GHLLRSYRS.

Precautions

ACADS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.