

## ACADS Human

**Description:** ACADS Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 409 amino acids (25-412 a.a.) and having a molecular mass of 44 kDa. The ACADS protein is fused to a 20 amino acid His Tag at N-terminus and purified by standard chromatography techniques.

**Catalog #:** ENPS-474

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MLHTIYQSVE LPETHQMLLQ  
TCRDFAEKEL FPAAQVDKE HLPAAQVKK MGGLGLLAMD VPEELGGAGL DYLAIAIME  
EISRGCASTG VIMSVNNSLY LGPILKFGSK EQKQAWVTPF TSGDKIGCFA LSEPGNGSDA  
GAATTARAE GDSWVLNGTK AWITNAWEAS AAVFASTDR ALQNKISAF LVPMPPTGLT  
LGKKEDKLG I RG

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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.

**To place an order, please [Click HERE](#).**