9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-2104: ACADS Recombinant Protein

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

Description

Source : Escherichia Coli. 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 chromatogrpahy techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The protein contains 20mM Tris buffer pH-8, 1mM DTT, 20% glycerol and 100mM NaCl.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MLHTIYQSVE LPETHQMLLQ TCRDFAEKEL FPIAAQVDKE HLFPAAQVKK MGGLGLLAMD VPEELGGAGL DYLAYAIAME EISRGCASTG VIMSVNNSLY LGPILKFGSK EQKQAWVTPF TSGDKIGCFA LSEPGNGSDA GAASTTARAE GDSWVLNGTK AWITNAWEAS AAVVFASTDR ALQNKSISAF LVPMPTPGLT LGKKEDKLGI RGSSTANLIF EDCRIPKDSI LGEPGMGFKI AMQTLDMGRI GIASQALGIA QTALDCAVNY AENRMAFGAP LTKLQVIQFK LADMALALES ARLLTWRAAM LKDNKKPFIK EAAMAKLAAS EAATAISHQA IQILGGMGYV TEMPAERHYR DARITEIYEG TSEIQRLVIA GHLLRSYRS.

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