



Human ACADS peptide (DAG-P0072)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in this gene have been associated with Short Chain Acyl-CoA Dehydrogenase Deficiency. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the acyl-CoA dehydrogenase family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	ACADS acyl-CoA dehydrogenase, C-2 to C-3 short chain [Homo sapiens (human)]
Official Symbol	ACADS
Synonyms	ACADS; acyl-CoA dehydrogenase, C-2 to C-3 short chain; SCAD; ACAD3; short-chain specific acyl-CoA dehydrogenase, mitochondrial; butyryl-CoA dehydrogenase; unsaturated acyl-CoA reductase; short-chain acyl-CoA dehydrogenase; acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain; mitochondrial short-chain specific acyl-CoA dehydrogenase;
Entrez Gene ID	35

mRNA Refseq	NM_000017.2
Protein Refseq	NP_000008.1
UniProt ID	E5KSD5
Chromosome Location	12q24.31
Pathway	Beta oxidation of butanoyl-CoA to acetyl-CoA, organism-specific biosystem; Beta oxidation of hexanoyl-CoA to butanoyl-CoA, organism-specific biosystem; Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; Carbon metabolism, organism-specific biosystem; Carbon metabolism, conserved biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty acid degradation, organism-specific biosystem; Fatty acid degradation, conserved biosystem; Fatty acid m
Function	acyl-CoA dehydrogenase activity; butyryl-CoA dehydrogenase activity; fatty-acyl-CoA binding; flavin adenine dinucleotide binding;