Recombinant Human Short-chain specific acyl-CoA dehydrogenase, mitochondrial (ACADS)

Product Code	CSB-MP001127HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P16219
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	LHTIYQ SVELPETHQM LLQTCRDFAE KELFPIAAQV DKEHLFPAAQ VKKMGGLGLL AMDVPEELGG AGLDYLAYAI AMEEISRGCA STGVIMSVNN SLYLGPILKF GSKEQKQAWV TPFTSGDKIG CFALSEPGNG SDAGAASTTA RAEGDSWVLN GTKAWITNAW EASAAVVFAS TDRALQNKGI SAFLVPMPTP GLTLGKKEDK LGIRGSSTAN LIFEDCRIPK DSILGEPGMG FKIAMQTLDM GRIGIASQAL GIAQTALDCA VNYAENRMAF GAPLTKLQVI QFKLADMALA LESARLLTWR AAMLKDNKKP FIKEAAMAKL AASEAATAIS HQAIQILGGM GYVTEMPAER HYRDARITEI YEGTSEIQRL VIAGHLLRSY RS
Source	Mammalian cell
Target Names	ACADS
Protein Names	Recommended name: Short-chain specific acyl-CoA dehydrogenase, mitochondrial Short name= SCAD EC= 1.3.8.1 Alternative name(s): Butyryl-CoA dehydrogenase
Expression Region	25-412
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life

of lyophilized form is 12 months at -20°C/-80°C.