



Recombinant Human Enoyl-CoA hydratase, mitochondrial (ECHS1)

Product Code	CSB-EP007382HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P30084
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	ASG ANFEYIIAEK RGKNNTVGLI QLNRPKALNA LCDGLIDELN QALKTFEEDP AVGAIVLTGG DKAFAAGADI KEMQNLSFQD CYSSKFLKHW DHLTQVKKPV IAAVNGYAFG GGCELAMMCD IYAGEKAQF AQPEILIGTI PGAGGTQRLT RAVGKSLAME MVLTDGRISA QDAKQAGLVS KICPVETLVE EAIQCAEKIA SNSKIVVAMA KESVNAAFEM TLTEGSKLEK KLFYSTFATD DRKEGMTAFV EKRRKANFKDQ
Source	E.coli
Target Names	ECHS1
Protein Names	Recommended name: Enoyl-CoA hydratase, mitochondrial EC= 4.2.1.17 Alternative name(s): Enoyl-CoA hydratase 1 Short-chain enoyl-CoA hydratase Short name= SCEH
Expression Region	28-290
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 protein functions in the second step of the mitochondrial fatty acid beta-oxidation pathway. It catalyzes the hydration of 2-trans-enoyl-coenzyme A (CoA) intermediates to L-3-hydroxyacyl-CoAs. The gene product is a member of the hydratase/isomerase superfamily. It localizes to the mitochondrial matrix. Transcript variants utilizing alternative transcription initiation sites have been described in the literature.
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.