

Enoyl CoA Hydratase, Short chain, 1 Recombinant Protein | ECHS1 recombinant protein

Recombinant Human Enoyl CoA Hydratase, Short chain, 1, Mitochondrial

CATALOG # AAA38841	HOST E Coli
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PRODUCT SYNONYMS

Enoyl CoA Hydratase; Short chain; 1; Recombinant Human Enoyl CoA Hydratase; Mitochondrial; ECHS1 Human; Mitochondrial Human Recombinant; Enoyl-CoA hydratase 1; SCEH; ECHS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The ECHS1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH-8), 1mM DTT, 0.1M NaCl and 20% glycerol. Sterile filtered colorless solution.
Concentration	1mg/ml (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSHMAS GANFEYIIAE KRGKNTVGL IQLNRPKALN ALCDGLIDEL NQALKIFEED PAVGAIVLTG GDKAFAAGAD IKEMQNLSFQ DCYSSKFLKH WDHLTQVKKP VIAAVNGYAF GGGCELAMMC DIIYAGEKAQ FAQPEILIGT IPGAGGTQRL TRAVGKSLAM EMVLTGDRIS AQDAKQAGLV SKICPVETLV EEAIQCAEKI ASNSKIVVAM AKESVNAAFE MTLTEGSKLE KKLFFSTFAT DDRKEGMTAF VEKRRKANFKD Q
Sequence Length	290
Volume	1 ml
Physical Appearance	Sterile filtered colorless solution.
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.

ADDITIONAL INFORMATION

Related Product Information for ECHS1 recombinant protein	Description: ECHS1 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 284 amino acids (28-290 a.a.) and having a molecular mass of 30.6kDa. ECHS1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: ECHS1 is part of the hydratase/isomerase superfamily. ECHS1 is localized in the mitochondrial matrix and Expressed in muscle, liver and fibroblasts, with low expression in kidney and spleen, ECHS1 exists as a homo-hexamer that takes part in the second phase of the mitochondrial fatty acid beta-oxidation pathway.
Product Categories/Family for ECHS1 recombinant protein	Enzymes; Hydratase

NCBI AND UNIPROT INFORMATION

NCBI GI #	194097323
NCBI GeneID	1892
NCBI Accession #	NP_004083.3

NCBI GenBank Nucleotide #	NM_004092.3
UniProt Accession #	P30084 ; O00739 ; Q5VWY1 ; Q96H54
NCBI Official Full Name	enoyl-CoA hydratase, mitochondrial
NCBI Official Synonym Full Names	enoyl CoA hydratase, short chain, 1, mitochondrial
NCBI Official Symbol	ECHS1
NCBI Official Synonym Symbols	SCEH
NCBI Protein Information	enoyl-CoA hydratase, mitochondrial; enoyl Coenzyme A hydratase, short chain, 1, mitochondrial; enoyl-CoA hydratase 1; short-chain enoyl-CoA hydratase
UniProt Protein Name	Enoyl-CoA hydratase, mitochondrial
UniProt Gene Name	ECHS1
UniProt Synonym Gene Names	SCEH
UniProt Entry Name	ECHM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/echs1-recombinant-protein-e-coli/38841>