

Recombinant Human ECHS1 Protein, His-tagged

Cat. No. ECHS1-1396H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ECHS1 Protein (Ala28-Gln290) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala28-Gln290
Description	The protein encoded by this gene 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32 kDa Accurate Molecular Mass: 32 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	ECHS1 enoyl CoA hydratase, short chain, 1, mitochondrial [Homo sapiens (human)]
Official Symbol	ECHS1
Synonyms	ECHS1; enoyl CoA hydratase, short chain, 1, mitochondrial; enoyl Coenzyme A hydratase, short chain, 1, mitochondrial; enoyl-CoA hydratase, mitochondrial; SCEH; enoyl-CoA hydratase 1; short-chain enoyl-CoA hydratase;
Gene ID	1892
mRNA Refseq	NM_004092
Protein Refseq	NP_004083
MIM	602292
UniProt ID	P30084

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