

## Product datasheet for PH300369

### ECHS1 (NM\_004092) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ECHS1 MS Standard C13 and N15-labeled recombinant protein (NP_004083)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200369
Predicted MW:	31.4 kDa
Protein Sequence:	>RC200369 protein sequence Red=Cloning site Green=Tags(s)  MAALRVLLSCVRGPLRPPVRCPAWRPFASGANFEYIIAEKRGKNNTVGLIQLNRPKALNALCDGLIDELN QALKIFEEDPAVGAIIVLTGGDKAFAAGADIKEMQNL SFQDCYSSKFLKHWDHLTQVKKPVIAAVNGYAFG GGCELAMMCDIIYAGEKAQFAQPEILIGTIPGAGGTQRL TRAVGKSLAMEMVLTGDRISAQDAKQAGLVS KICPVETLVEEAIQCAEKIASNSKIVVAMAKESVNAAFEMTLTEGSKLEKFLFYSTFATDDRKEGMTAFV EKRRANFKDQ  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_004083</a></u>
RefSeq Size:	1350
RefSeq ORF:	870
Synonyms:	ECHS1D; SCEH
Locus ID:	1892



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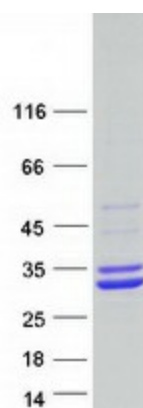
UniProt ID: [P30084](#)

Cytogenetics: 10q26.3

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Pathways:** beta-Alanine metabolism, Butanoate metabolism, Fatty acid elongation in mitochondria, Fatty acid metabolism, Limonene and pinene degradation, Lysine degradation, Metabolic pathways, Propanoate metabolism, Tryptophan metabolism, Valine, leucine and isoleucine degradation

### Product images:



Coomassie blue staining of purified ECHS1 protein (Cat# [TP300369]). The protein was produced from HEK293T cells transfected with ECHS1 cDNA clone (Cat# [RC200369]) using MegaTran 2.0 (Cat# [TT210002]).