

## Recombinant Human ECHS1 cell lysate

**Cat. No.** ECHS1-528HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	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.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	ECHS1 enoyl CoA hydratase, short chain, 1, mitochondrial [ Homo sapiens ]
<b>Official Symbol</b>	ECHS1
<b>Synonyms</b>	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;

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Gene ID</b>	1892
<b>mRNA Refseq</b>	NM_004092
<b>Protein Refseq</b>	NP_004083
<b>MIM</b>	602292
<b>UniProt ID</b>	P30084
<b>Chromosome Location</b>	10q26.2-q26.3
<b>Pathway</b>	Beta oxidation of butanoyl-CoA to acetyl-CoA, organism-specific biosystem; Beta oxidation of decanoyl-CoA to octanoyl-CoA-CoA, organism-specific biosystem; Beta oxidation of hexanoyl-CoA to butanoyl-CoA, organism-specific biosystem; Beta oxidation of lauroyl-CoA to decanoyl-CoA-CoA, organism-specific biosystem; Beta oxidation of octanoyl-CoA to hexanoyl-CoA, organism-specific biosystem; Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem;
<b>Function</b>	enoyl-CoA hydratase activity; lyase activity; protein binding;

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