Recombinant Human ECHS1 cell lysate

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

SPECIFICATION

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

GENE INFORMATION

Gene Name	ECHS1 enoyl CoA hydratase, short chain, 1, mitochondrial [Homo sapiens]
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;

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	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
Chromosome Location	10q26.2-q26.3
Pathway	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;
Function	enoyl-CoA hydratase activity; lyase activity; protein binding;

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