

Recombinant Human ECI1 cell lysate

Cat. No. ECI1-445HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene encodes a member of the hydratase/isomerase superfamily. The protein encoded is a key mitochondrial enzyme involved in beta-oxidation of unsaturated fatty acids. It catalyzes the transformation of 3-cis and 3-trans-enoyl-CoA esters arising during the stepwise degradation of cis-, mono-, and polyunsaturated fatty acids to the 2-trans-enoyl-CoA intermediates. Alternatively spliced transcript variants have been described, but their full-length nature has not been determined.
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	ECI1 enoyl-CoA delta isomerase 1 [Homo sapiens]
Official Symbol	ECI1
Synonyms	ECI1; enoyl-CoA delta isomerase 1; DCI, dodecenoyl CoA isomerase , dodecenoyl Coenzyme A delta isomerase (3,2 trans enoyl Coenzyme A isomerase); enoyl-CoA

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delta isomerase 1, mitochondrial; 3; 2 trans enoyl CoA isomerase; dodecenoyl-CoA isomerase; D3,D2-enoil-CoA isomerase; acetylene-allene isomerase; 3,2 trans-enoil-CoA isomerase; delta3, delta2-enoil-CoA isomerase; 3,2 trans-enoil-Coenzyme A isomerase; delta(3),Delta(2)-enoil-CoA isomerase; 3,2-trans-enoil-CoA isomerase, mitochondrial; dodecenoyl-CoA delta isomerase (3,2 trans-enoil-CoA isomerase); dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoil-Coenzyme A isomerase); DCI;

Gene ID [1632](#)

mRNA Refseq [NM_001178029](#)

Protein Refseq [NP_001171500](#)

MIM [600305](#)

UniProt ID [P42126](#)

Chromosome Location 16p13.3

Pathway Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Mitochondrial Fatty Acid Beta-Oxidation, organism-specific biosystem;

Function dodecenoyl-CoA delta-isomerase activity; dodecenoyl-CoA delta-isomerase activity; identical protein binding; intramolecular oxidoreductase activity;

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