

Recombinant Human ECI1 Protein, His-tagged

Cat. No. ECI1-298H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ECI1, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	31.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	ECI1 enoyl-CoA delta isomerase 1 [Homo sapiens]
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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 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

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