

Recombinant Human ECI1 Protein, His-tagged

Cat. No. ECI1-1398H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ECI1 Protein (Ala158-Gly302) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala158-Gly302
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20 kDa Accurate Molecular Mass: 20 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	ECI1 enoyl-CoA delta isomerase 1 [Homo sapiens (human)]
Official Symbol	ECI1
Synonyms	ECI1; enoyl-CoA delta isomerase 1; DCI; enoyl-CoA delta isomerase 1, mitochondrial; 3,2 trans-enoyl-Coenzyme A isomerase; 3,2-trans-enoyl-CoA isomerase, mitochondrial; D3,D2-enoyl-CoA isomerase; acetylene-allene isomerase; delta(3),Delta(2)-enoyl-CoA isomerase; dodecenoyl-CoA delta isomerase (3,2 trans-enoyl-CoA isomerase); dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase); epididymis secretory sperm binding protein; EC 5.3.3.8
Gene ID	1632
mRNA Refseq	NM_001919
Protein Refseq	NP_001910

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MIM	600305
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UniProt ID	P42126
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