Recombinant Full Length Human ECI1 Protein, GST-tagged

Cat. No. ECI1-3751HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DCI full-length ORF (AAH09631.1, 1 a.a. - 243 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	243 amino acids
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. [provided by RefSeq, May 2010]
Molecular Mass	53.4 kDa
AA Sequence	MKFKNPPVNSLSLEFLTELVISLEKLENDKSFRGVILTSDRPGVFSAGLDLTEMCGRS PAHYAGYWKAVQELWLRLYQSNLVLVSAINGACPAGGCLVALTCDYRILADNPRYCI GLNETQLGIIAPFWLKDTLENTIGHRAAERALQLGLLFPPAEALQVGIVDQVVPEEQV QSTALSAIAQWMAIPDHARQLTKAMMRKATASRLVTQRDADVQNFVSFISKDSIQKS LQMYLERLKEEKG
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ECI1 enoyl-CoA delta isomerase 1 [Homo sapiens (human)]
Official Symbol	ECI1
Synonyms	DCI; ECI1; enoyl-CoA delta isomerase 1; 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); EC 5.3.3.8
Gene ID	1632
mRNA Refseq	NM_001178029
Protein Refseq	NP_001171500
MIM	600305

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UniProt ID	P42126

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