

Recombinant Human ECI2, His-tagged

Cat. No. ECI2-29164TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PECl with N terminal His tag; 384 amino acids with tag, MWt 42.3 kDa.
Species	Human
Source	E.coli
ProteinLength	364 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.
Conjugation	HIS
Molecular Weight	42.300kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	<p>MGSSHHHHHSSGLVPRGSHMNRTAMRASQKDFENSMNQVLLKKDGPNEVKLK LYALYKQATEGPCNMPKPGVFDLINKAKWDARNALGSLPKEAARQNYVDLVSSLSP SLESSSQVEPGTDRKSTGFETLVVTSEDGITKIMFNRPKKKNAINTEMYHEIMRALKA ASKDDSIITVLTGNGDYSSGNLNTDIPPGGVEEKAKNNAVLLREFVGCDFIDFPK PLIAVVNGPAVGISVTLGLFDAVYASDRATFHTPFHSHLGQSPEGCSSYTFPKIMSPA KATEMLIFGKKLTAGACAQGLVTEVFPDSTFQKEVWTRLKAFKLPNALRISKEVI RKREREKLVHAVNAEECNVLQGRWLSDECTNAVNVNFLSRKSKL</p>
GENE INFORMATION	
Gene Name	ECI2 enoyl-CoA delta isomerase 2 [Homo sapiens]
Official Symbol	ECI2
Synonyms	ECI2; enoyl-CoA delta isomerase 2; PECl, peroxisomal D3,D2 enoyl CoA isomerase; enoyl-CoA delta isomerase 2, mitochondrial; Hepatocellular carcinoma associated antigen 88; ACBD2; acyl Coenzyme A binding domain containing 2; DRS1; HCA88;
Gene ID	10455
mRNA Refseq	NM_006117
Protein Refseq	NP_006108
MIM	608024
Uniprot ID	O75521

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Chromosome Location	6p24.3
Pathway	Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;
Function	binding; dodecenoyl-CoA delta-isomerase activity; dodecenoyl-CoA delta-isomerase activity; fatty-acyl-CoA binding; isomerase activity;

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