Recombinant Human ECI2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ECI2-3633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PECI MS Standard C13 and N15-labeled recombinant protein (NP_006108) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	40.2 kDa
AA Sequence	MNRTAMRASQKDFENSMNQVKLLKKDPGNEVKLKLYALYKQATEGPCNMPKPGVF DLINKAKWDAWNALGSLPKEAARQNYVDLVSSLSPSLESSSQVEPGTDRKSTGFET LVVTSEDGITKIMFNRPKKKNAINTEMYHEIMRALKAASKDDSIITVLTGNGDYYSSGN DLTNFTDIPPGGVEEKAKNNAVLLREFVGCFIDFPKPLIAVVNGPAVGISVTLLGLFDA VYASDRATFHTPFSHLGQSPEGCSSYTFPKIMSPAKATEMLIFGKKLTAGEACAQGL VTEVFPDSTFQKEVWTRLKAFAKLPPNALRISKEVIRKREREKLHAVNAEECNVLQG RWLSDECTNAVVNFLSRKSKLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

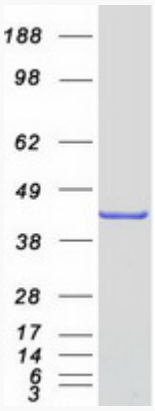
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ECI2 enoyl-CoA delta isomerase 2 [Homo sapiens (human)]
Official Symbol	ECI2
Synonyms	ECI2; enoyl-CoA delta isomerase 2; PECI, 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; DBI-related protein 1; dodecenoyl-CoA isomerase; D3,D2-enoyl-CoA isomerase; renal carcinoma antigen NY-REN-1; delta(3),delta(2)-enoyl-CoA isomerase; peroxisomal D3,D2-enoyl-CoA isomerase; peroxisomal 3,2-trans-enoyl-CoA isomerase; acyl-Coenzyme A binding domain containing 2; diazepam-binding inhibitor-related protein 1; hepatocellular carcinoma-associated antigen 88; PECI; DRS-1; dJ1013A10.3; KIAA0536;
Gene ID	10455
mRNA Refseq	NM_006117

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Protein Refseq	NP_006108
MIM	608024
UniProt ID	O75521
SDS-PAGE	

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