

## Product datasheet for **TP304994**

### PECI (ECI2) (NM\_006117) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peroxisomal D3,D2-enoyl-CoA isomerase (PECI), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204994 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MNRTAMRASQKDFENSMNQVKLLKKDPGNEVKLKLYALYKQATEGPCNMPKPGVFDLINKAKWDAWNALG SLPKEAARQNYVDLVSSLSPSLESSSQVEPGTDRKSTGFETLVVTSSEGITKIMFNRPKKKNAINTEMYH EIMRALKAAKDDSIITVLTGNGDYSSGNDLTNFTDIPPGGVEEKAKNNAVLLREFVGCFFIDFPKPLIA VWNGPAVGISVTLGLFDVAVYASDRATFHTPFSLHGLQSPEGCSSYTFPKIMSPAKATEMLIFGKKLTAGE ACAQGLVTEVFPDSTFQKEVWTRLKAFKLPNALRISKEVIRKRERREKLHAVNAEECNVLQGRWLSDEC TNAVNFSLSRKSKL
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	40 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_006108</a></u>



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Locus ID: 10455

UniProt ID: [O75521](#), [A0A0C4DGA2](#)

RefSeq Size: 1410

Cytogenetics: 6p25.2

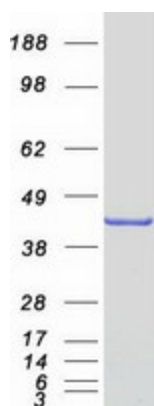
RefSeq ORF: 1092

Synonyms: ACBD2; dj1013A10.3; DRS-1; DRS1; HCA88; PECI

**Summary:** 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, Aug 2011]

**Protein Pathways:** Fatty acid metabolism

### Product images:



Coomassie blue staining of purified ECI2 protein (Cat# TP304994). The protein was produced from HEK293T cells transfected with ECI2 cDNA clone (Cat# [RC204994]) using MegaTran 2.0 (Cat# [TT210002]).