

Product datasheet for PH304994

PECI (ECI2) (NM_006117) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PECI MS Standard C13 and N15-labeled recombinant protein (NP_006108)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204994
Predicted MW:	40.2 kDa
Protein Sequence:	>RC204994 protein sequence Red=Cloning site Green=Tags(s) MNR TAMRASQKDFENSMNQVKLLKKDPGNEVKLKLALYKQATEGPCNMPKPGVFDLINKAKWDAWNALG SLPKAAARQNYVDLVSSLSPLSESSQVEPGTDRKSTGFETLVVTS EDGITKIMFNRPKKKNAINTEMYH EIMRALKAAASKDDSIITVLTGNGDYSSGNDLTNFTDIPP GGVEEKAKNNVLLREFVGC FIDFPKPLIA VVNGPAVGISVTLGLFDVYASDRATFH TPF SHLQSPGECSSYTFPKIMSPAKATEMLIFGKKL TAGE ACAQGLVTEVFPDSTFQKEVWTRLKAF AKLPPNALRISKEVIRKREKRLHAVNAEECNVLQGRWLSDEC TNAVVNFLSRKSKL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006108
RefSeq Size:	1410
RefSeq ORF:	1092
Synonyms:	ACBD2; dj1013A10.3; DRS-1; DRS1; HCA88; PECI
Locus ID:	10455



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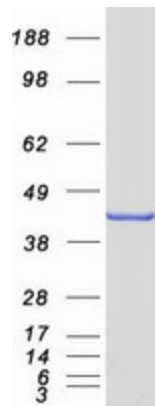
UniProt ID: [O75521](#), [A0A0C4DGA2](#)

Cytogenetics: 6p25.2

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]).