

Product datasheet for **SC126212**

PECI (ECI2) (BC002668) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PECI (ECI2) (BC002668) Human Untagged Clone
Tag:	Tag Free
Symbol:	PECI
Synonyms:	ACBD2; acyl-Coenzyme A binding domain containing 2; dj1013A10.3; DRS1; HCA88; hepatocellular carcinoma-associated antigen 88; KIAA0536; peroxisomal D3,D2-enoyl-CoA isomerase
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC002668 edited
 GAGCCGCCAAGGGATGGCGATGGCGTACTTGGCTTGGAGACTGGCGCGCGTTCGTGTC
 CGAGTTCTCTGCAGGTCAGTACTTTCCCGGTAGTTCAGCTGCACATGAATAGAACAGCAA
 TGAGAGCCAGTCAGAAGGACTTTGAAAATCAATGAATCAAGTAAAACCTTTGAAAAAGG
 ATCCAGGAAACGAAGTGAAGCTAAAACCTACGCGCTATATAAGCAGGCCACTGAAGGAC
 CTTGTAACATGCCCAAACAGGTGATTTGACTTGATCAACAAGGCCAAATGGGACGCAT
 GGAATGCCCTTGGCAGCCTGCCAAGGAAGCTGCCAGGCAGAACTATGTGGATTTGGTGT
 CCAGTTTGAGTCCTTCATTGGAATCCTCTAGTCAGGTGGAGCCTGGAACAGACAGGAAAT
 CAACTGGGTTTAAAACCTGGTGGTGACCTCCGAAGATGGCATCACAAAGATCATGTTCA
 ACCGGCCCAAAAAGAAAATGCCATAAACACTGAGATGTATCATGAAATTATGCGTGCAC
 TTAAGCTGCCAGCAAGGATGACTCAATCATCACTGTTTTAACAGGAAATGGTGACTATT
 ACAGTAGTGGGAATGATCTGACTAACTTCACTGATTTCCCTGGTGGAGTAGAGGAGA
 AAGCTAAAATAATGCCGTTTTACTGAGGGAATTTGTGGGCTGTTTTATAGATTTTCTA
 AGCCTCTGATTGCAGTGGTCAATGGTCCAGCTGTGGGCATCTCCGTCACCCTCCTGGGC
 TATTTCGATGCCGTGATGCATCTGACAGGGCAACATTTTCATACACATTTAGTCACCTAG
 GCCAAAGTCCGGAAGGATGCTCCTTTACACTTTTCCGAAGATAATGAGCCCAGCCAAGG
 CAACAGAGATGCTTATTTTTGAAAAGAAGTTAACAGCGGAGAGGCATGTGCTCAAGGAC
 TTGTTACTGAAGTTTTCCCTGATAGCACTTTTCAGAAAAGAAGTCTGGACCAGGCTGAAGG
 CATTGCAAAAGCTTCCCCAAATGCCTTGAGAATTTCAAAGAGGTAATCAGGAAAAGAG
 AGAGAGAAAAACTACACGCTGTTAATGTGAAGAATGCAATGTCCTTCAGGGAAGATGGC
 TATCAGATGAATGCACAAATGCTGTGGTGAAGTCTTATCCAGAAAATCAAACCTGTGAT
 GACCACTACAGCAGAGTAAAGCATGTCCAAGGAAGGATGTGCTGTTACCTCTGATTTCCA
 GTACTGGAACATAATAAGCTTCATTGTGCCTTTTGTAGTGCTAGAATATCAATTACAATG
 ATGATATTTCACTACAGCTCTGATGAATAAAAAGTTTTGTAAAACAAAAAAAAAAAAAAAA
 AAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC002668 unedited
 NGGGGGAGTCNGATTTTGTATACGACTTATATAGGGCGCCCGAATTCGCACGAGGGA
 GCCGCCAAGGGATGGCGATGGCGTACTTGGCTTGGAGACTGGCGCGCGTTCGTGTCG
 AGTTCTCTGCAGGTCAGTACTTTCCCGGTAGTTCAGCTGCACATGAATAGAACAGCAATG
 AGAGCCAGTCAGAAGGACTTTGAAAATCAATGAATCAAGTAAAACCTTTGAAAAAGGAT
 CCAGGAAACGAAGTGAAGCTAAAACCTACGCGCTATATAAGCAGGCCACTGAAGGACCT
 TGTAACATGCCCAAACAGGTGATTTGACTTGATCAACAAGGCCAAATGGGACGCATGG
 AATGCCCTTGGCAGCCTGCCAAGGAAGCTGCCAGGCAGAACTATGTGGATTTGGTGTCC
 AGTTTGAGTCCTTCATTGGAATCCTCTAGTCAGGTGGAGCCTGGAACAGACAGGAAATCA
 ACTGGGTTTAAAACCTGGTGGTGACCTCCGAAGATGGCATCACAAAGATCATGTTCAAC
 CGGCCCAAAAAGAAAATGCCATAAACACTGAGATGTATCATGAAATTATGCGTGCACCT
 AAAGCTGCCAGCAAGGATGACTCAATCATCACTGTTTTAACAGGAAATGGTGACTATTAC
 AGTAGTGGGAATGATCTGACTAACTTCACTGATTTCCCTGGTGGAGTAGAGGAGAAA
 GCTAANNAATATGCCGTTTTACTGAGGGAATTTGTGGGGCTGTTATAGATTTTCCCTAGC
 CTCTGATTGCAGTGGTCAATGGCCAGCTGTGGGCATCTCCGTCACCCTCCTGGGCTATCC
 NAGCCCTGTATGCTCTGACAGGGCACATTTCTACCCCATTTAATCCCTAGGCCAAATCC
 GGAAGGAT

Restriction Sites: Please inquire

ACCN: BC002668

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC002668.2</u> , <u>AAH02668.3</u>
RefSeq Size:	1383 bp
Locus ID:	10455
Cytogenetics:	6p25.2
Protein Pathways:	Fatty acid metabolism
Gene 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]