

Product datasheet for **SC308278**

PECI (ECI2) (NM_206836) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PECI (ECI2) (NM_206836) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECI2
Synonyms:	ACBD2; dj1013A10.3; DRS-1; DRS1; HCA88; PECI
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_206836, the custom clone sequence may differ by one or more nucleotides ATGGCGATGGCGTACTTGGCTTGGAGACTGGCGGGCGTTCGTGTCCGAGTTCTCTGCAG GTCAGTAGTTTCCCGGTAGTTCAGCTGCACATGAATAGAACAGCAATGAGAGCCAGTCAG AAGGACTTTGAAAATTCAATGAATCAAGTGAACTCTTAAAAAGGATCCAGGAAACGAA GTGAAGCTAAACTCTACGCGCTATATAAGCAGGCCACTGAAGGACCTTGTAAACATGCC AAACAGGTGATTTGACTTGATCAACAAGGCCAAATGGGACGCATGGAATGCCCTTGGC AGCCTGCCAAGGAAGCTGCCAGGCAGAACTATGTGGATTTGGTGTCCAGTTTGAGTCCT TCATTGGAATCCTCTAGTCAGGTGGAGCCTGGAACAGACAGGAAATCAACTGGGTTTGAA ACTCTGGTGGTGACCTCCGAAGATGGCATCACAAGATCATGTTCAACCGGCCAAAAAG AAAAATGCCATAAACACTGAGATGTATCATGAAATTATGCGTGCCTTAAAGCTGCCAGC AAGGATGACTCAATCATCACTGTTTTAACAGGAAATGGTGACTATTACAGTAGTGGGAAT GATCTGACTAACTTCACTGATATCCCCCTGGTGGAGTAGAGGAGAAAGCTAAAAATAAT GCCGTTTTACTGAGGGAATTTGTGGGCTGTTTTATAGATTTTCCTAAGCCTCTGATTGCA GTGGTCAATGGTCCAGCTGTGGGCATCTCCGTCACCCTCCTTGGGCTATTCGATGCCGTG TATGCATCTGACAGGGCAACATTTACACACCATTTAGTCACCTAGGCCAAAGTCCGGAA GGATGCTCCTTTACACTTTTCCGAAGATAATGAGCCCAGCCAAGGCAACAGAGATGCTT ATTTTTGAAAAGAAGTTAACAGCGGGAGAGGCATGTGCTCAAGGACTTGTACTGAAGTT TTCCCTGATAGCACTTTTCAGAAAGAAGTCTGGACCAGGCTGAAGGCATTTGCAAAGCTT CCCCAAATGCCTTGAGAATTTCAAAGAGGTAATCAGGAAAAGAGAGAGAAAAACTA CACGCTGTTAATGCTGAAGAATGCAATGTCCTTCAGGGAAGATGGCTATCAGATGAATGC ACAAATGCTGTGGTGAACCTTCTATCCAGAAAATCAAACACTGTGA
Restriction Sites:	Please inquire
ACCN:	NM_206836
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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_206836.1 , NP_996667.1
RefSeq Size:	1481 bp
RefSeq ORF:	684 bp
Locus ID:	10455
UniProt ID:	O75521
Cytogenetics:	6p25.2
Protein Pathways:	Fatty acid metabolism
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate upstream translational start codon and includes an alternate splice site in its 5' coding region, compared to variant 1. The encoded isoform (2) has a longer and distinct N-terminus, compared to isoform 1.</p>