

Product datasheet for **SC323177**

PCCA (NM_001127692) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCCA (NM_001127692) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCCA
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001127692, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGGGTTCTGGGTCGGGACAGCACCCTGGTCGCTGCCGGACGGCGTGGGCGGTGG
CCGCCGCAGCAGCTGATGCTGAGCGCGGCGCTGCCGACCCTGAAGACTTTTGATAAAATT
CTTGTTGCTAATAGAGGAGAAATTCATGTCGGGTTATTAGAAGTGAAGAAGATGGGC
ATTAAGACAGTTGCCATCCACAGTGTGTTGATGCTAGTCTGTTTCATGTGAAAAATGGCG
GATGAGGCTGTCTGTGTTGGCCAGCTCCCACCAGTAAAAGCTACCTCAACATGGATGCC
ATCATGGAAGCCATTAAGAAAACCAAGGCCAAGCTGTACATCCAGGTTATGGATTCCCTT
TCAGAAAAACAAAGAAATTTGCCAGATGTTTGGCAGCAGAAGATGTCGTTTTTCATTGGACCT
GACACACATGCTATTCAAGCCATGGGCGACAAGATTGAAAGCAAATTTATTAGCTAAGAAA
GCAGAGGTTAATAACAATCCCTGGCTTTGATGGAGTAGTCAAGGATGCAGAAGAAGCTGTC
AGAATTGCAAGGGAAATGGCTACCCTGTCATGATCAAGGCCTCAGCAGGTGGTGGTGGG
AAAGGCATGCGCATTGCTGGGATGATGAAGAGACCAGGATGGTTTTAGATTGCATCT
CAAGAAGCTGCTTCTAGTTTTGGCGATGATAGACTACTAATAGAAAAATTTATTGATAAT
CCTCGTCATATAGAAATCCAGGTTCTAGGTGATAAACATGGGAATGCTTTATGGCTTAAT
GAAAGAGAGTGCATCAATTCAGAGAAGAAATCAGAAGGTGGTGGAGGAAGCAACAAGCATT
TTTTTGGATGCGGAGACTCGAAGAGCGATGGGAGAACAAGCTGTAGCTCTTGCCAGAGCA
GTAAAATATTCCTCTGCTGGGACCGTGGAGTTCCTTGTGGACTCTAAGAAGAATTTTTAT
TTCTTGGAAATGAATAACAAGACTCCAGGTTGAGCATCCTGTACAGAAATGCATTACTGGC
CTGGACCTAGTCCAGGAAATGATCCGTGTTGCTAAGGGTACCCTCTCAGGCACAAAACAA
GCTGATATTCGCATCAACGGCTGGGAGTTGAATGTCGGGTTTATGCTGAGGACCCCTAC
AAGTCTTTTGGTTTACCATCTATTGGGAGATTGTCTCAGTACCAAGAACCCTTACATCTA
CCTGGTGTCCGAGTGGACAGTGGCATCCAACCAGGAAGTATATTAGCATTATTTATGAT
CCTATGATTTCAAACCTAATCACATATGGCTCTGATAGAACTGAGGCACTGAAGAGAATG
GCAGATGCACTGGATAACTATGTTATTTCGAGGTGTTACACATAATATTGCATTACTTCGA
GAGGTGATAATCAACTCACGCTTTGTAAGGAGACATCAGCACTAAATTTCTCTCCGAT
GTGTATCCTGATGGCTTCAAAGGACACATGCTAACCAAGAGTGAGAAGAACCAGTTATTG
GCAATAGCATCATCATTGTTTGTGGCATTCCAGTTAAGAGCACAAACATTTTCAAGAAAAT
TCAAGAATGCCTGTTATTAACCCAGACATAGCCAACCTGGGAGCTCTCAGTAAAATTCAT
GATAAAGTTCATACCGTAGTAGCATCAAACAATGGGTGAGTCTTCTCGGTGGAAGTTGAT
GGGTGCAAACTAAATGTGACCAGCACGTGGAACCTGGCTTCGCCCTTATTGTCTGTCAGC
GTTGATGGCACTCAGAGGACTGTCCAGTGTCTTCTCGAGAAGCAGGTGGAACATGAGC
ATTCAGTTTCTTGGTACAGTGTACAAGGTGAATATCTTAACCAGACTTGCCGCAGAAATG
AACAAATTTATGCTGGAAAAAGTGAAGTGGAGACACAAGCAGTGTCTGCGTTCCCGGATG
CCCGGAGTGGTGGTGGCCGCTCTGTCAAGCCTGGAGACGCGGTAGCAGAAGGTCAAGAA
ATTTGTGTGATTGAAGCCATGAAAATGCAGAATAGTATGACAGCTGGGAAAACTGGCAGC
GTGAAATCTGTGCACTGTCAAGCTGGAGACACAGTTGGAGAAGGGGATCTGCTCGTGGAG
CTGGAA
    
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Restriction Sites: Please inquire

ACCN: NM_001127692

Insert Size: 2499 bp

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).

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:	<u>NM_001127692.1</u> , <u>NP_001121164.1</u>
RefSeq Size:	2499 bp
RefSeq ORF:	2499 bp
Locus ID:	5095
UniProt ID:	<u>P05165</u>
Cytogenetics:	13q32.3
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Propanoate metabolism, Valine, leucine and isoleucine degradation
Gene Summary:	<p>The protein encoded by this gene is the alpha subunit of the heterodimeric mitochondrial enzyme Propionyl-CoA carboxylase. PCCA encodes the biotin-binding region of this enzyme. Mutations in either PCCA or PCCB (encoding the beta subunit) lead to an enzyme deficiency resulting in propionic acidemia. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to NM_000282.3.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>