

## Product datasheet for **SC215180**

### PPCDC (NM\_021823) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PPCDC (NM_021823) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PPCDC
Synonyms:	coaC; MDS018; PPC-DC
ACCN:	NM_021823
Insert Size:	1521 bp



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**Insert Sequence:** >SC215180 3'UTR clone of NM\_021823  
 The sequence shown below is from the reference sequence of NM\_021823. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTCCAGCACAGTGGCTTCCAGCAGAGTGTACCTGGGATTCTGTGCATGGGTGCCCTCTGTACTCAGAA
TGGGTTTCAGGCCAAGTCCGGTGAAGATGGATGTTGGCAAAATAGGAGGATACCCTCATTGCTGAATGGG
GGACCTGCTCTGAGCCTGCCAGGGGCCAGGCCTGCTCCAGGTTAAACTGGACGGAAGGCCAGGCTCTC
AGTTTCTTTCAACCAGGAGAGGGCCGCTGCCTAGAGCCCTCCCCACCTTTTCTGGATGGGTGAGGCAA
GCCAGGAGAGCAAGCAGTGTGTCTCACGGGAGGAGACTGAGCGACTGGGAAAACCTCGGCTCTACAT
CTCACCCAGAACGGCTTTTAAAGAACACCACAGCTGGAGAGTCTGGCTGAGCCTTGGGAGTTTCAGCTC
TTTGGCGGGGTGCCAGGTGCCATGCGATCAGCGAAGCCTGCGAGTTGGCAGGACTCTGAGGTTTCTG
CAGACCATGCCATGAGATTGAAGGTGCGGGGAAATAAAGAAAAATCACCATTTAGGAGACTCCATTCTT
TCCTACAACCCAGCTGTGGTCCAGAGATCAGGGGGTGTGCCAGGTGTGGCTGGGGAAGGGTCTGGG
TTCACAACCTACCCGCACTCTTTAGTCCCGTATAACATGGTGGTTAAGGATAAAGATCTGAAGCCAGA
CAGCCCTAGTTCCAATCCCAGCTCTGCCGCTTACTAGCAGTGGCAGTTTGGTTCAGGACTTAGCCTTC
CTGACCTTCACTTACCTCAGCTATCTTGTATCCTACCCTCAGGGAGTTGTTGAGAGGATTCAGTAAA
TTTTGTGTGCAGAATACCCATGCCACTGAGTGCCTGGAACGTAGTAAATGTCAAATCAATGGAAGTTAA
AAAGGAAATCCTGGATGCTAAGTTGACACATCCCTTTATGCAAGTGACAGGTAAGCAGCCAGGAGGGTT
GACCCTGCCCTGGGTCCCAGGCCTCTTGCCTGCTTCTGGTTTCTCTGTCTCATCTTTCAGCTTTG
CTGGACCTGAGGCAGGGCCTGGGTGTCTGTGCCTCCCTACCCCCAGTACACATGACCAAGGGAAGTA
GATCCAGAGACACCATGCACTCTGGCCAGAAACCCTCTGCTACCCAGCTTTTGACTTAATTGCCATTT
GGTGTGGCTGCAGCGGGGAGGGCTTGTCTGCGTATTTGGAGCTGAGGCTGAGGCTGGCTTCTGCCCTC
TGGCTTCCAGGCCAGGTGTGAGGGACATCCCATGTGGGCTCTGAGAGCACTGAGAGTAGAGGTGCCCTG
AGGGGACCAGGAAGCCTACTGGCTGGAATCAGTGTCCAGCAGCCTCCACAGCCTTTATCTCAACAGCA
CTTGACTTACCAGGTGACCCTTTGGGATAAAAATGCCTTAGGGTATGAAATAAACTATAACTAAAAATG
GTA
ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_021823.5](#)

**Summary:** Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. PPCDC (EC 4.1.1.36), one of the last enzymes in this pathway, converts phosphopantothenoylcysteine to 4-prime-phosphopantetheine (Daugherty et al., 2002 [PubMed 11923312]).[supplied by OMIM, Mar 2008]

**Locus ID:** 60490

MW: 54.2