

## Product datasheet for **RG236185**

### PPCDC (NM\_001301101) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PPCDC (NM\_001301101) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PPCDC  
**Synonyms:** coaC; MDS018; PPC-DC  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236185 representing NM\_001301101.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAACCAAAGGCTCCTGTCCAGCTGCTGCACCCCTTGATGGAGAGAAAATCCATGTTCTTGTGGGT
GTCACGGGGAGTGTGCGACCCCTGAAGTTGCCTCTTCTGGTGTCAAAGCTTTTGGACATTCCTGGGCTG
GAAGTAGCAGTGGTCACAACAGAGAGCCAAACATTTCTACAGCCCCAGGACATTCCTGTACCCCTC
TACAGCGACGCTGATGAATGGGAGACCTGCGTCATGCGGGCTGGGACCGCAGCAAGCCCTGCTCTTC
TGCCCGGCCATGAACACCGCCATGTGGGAGCACCCGATCACAGCGCAGCAGGTAGACCAGCTCAAGGCC
TTTGGCTATGTCGAGATCCCCTGTGTGGCCAAGAAGCTGGTGTGCGGAGATGAAGTCTCGGGCCATG
GCTGAAGTGGGGACCATCGTGGACAAAGTAAAAGAAGTCCTCTTCCAGCACAGTGGCTTCCAGCAGAGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236185  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MEPKASCFAAAPLMERKFHVLVGVTSVAALKLPLLVSKLLDIPGLEVAVVTTTERAKHFYSPQDIPVTL
YSDADEWETCVMRAWDRSKPLLFCPAMNTAMWEHPITAQQVDQLKAFGYVEIPCAKLVCGDEGLGAM
AEVGTIVDKVKEVLFQHSFGFQSS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMHFSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI



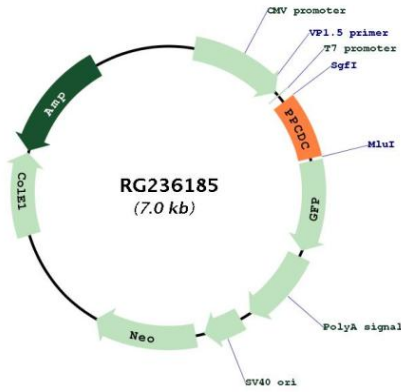
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**Gene Summary:**

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]

**Product images:**



Circular map for RG236185