

## Product datasheet for MR202109

### Ppcdc (NM\_176831) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ppcdc (NM\_176831) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ppcdc  
**Synonyms:** 1810057113Rik; 8430432M10Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR202109 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAACCAAAGGCCCATGCCAGCCCGCTCCCTCAGAGGAGAGGAAGTTCCGTGTTCTTGTGGCG  
 TCACTGGCAGCGTGGCCGCTCTGAAGCTGCCTCCTGGTATCTAAGCTGTTGGACGTTCTGGGCTGGA  
 AGTCACAGTGGTAACAACAGAGAGGCCAAACATTTCTACAGCCCTCAGGATGTCCCGTCACCCTCTAC  
 AGTGACGCTGATGAATGGGAGATGTGGAAGCGCCGTTCTGACCCGTTCTCCACATTGACCTGCGGAGGT  
 GGGCTGACCTCATGCTAGTGGCTCCCTCGATGCCAACACTCTGGGAAGGTGGCCAGTGGCATCTGTGA  
 CAATTTGCTTACCTGTGTATCCGGCCTGGGACCTAAACAAGCCCTACTCTTCTGCCCGCCATGAAC  
 ACTGCCATGTGGGAGCATCCTCTCACCGCACAGAGGTAGCCAGCTCAAGGCCTTTGGCTACGTGGAGA  
 TTCCCTGTGTGAGCAAGAAGCTGGTGTGTGGAGACCAAGGTCTAGGAGCCATGGCTGAAGTGGAGACCAT  
 TGTGGCTAAGGTGACGGCCGTGCTCTCCAGCATGGTAGCATCCAGCAGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR202109 protein sequence  
 Red=Cloning site Green=Tags(s)

MEPKAPCPAAVPSEERKFRVLVGVTSVAALKPLLVSKLLDVPGLVTVVTTTERAKHFYSPQDVPVTLY  
 SDADEWEMWKRRSDPVLHIDLRRWADLMLVAPLDANTLGKVASGICDNLCTCVIRAWDLNKPLLFPCAMN  
 TAMWEHPLTAQQVAQLKAFGYVEIPCVSKKLVCGDQGLGAMAEVETIVAKVQAVLSQHGSIQQS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_176831

ORF Size: 615 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:
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\\_176831.5](#)

RefSeq Size: 2767 bp

RefSeq ORF: 615 bp

Locus ID: 66812

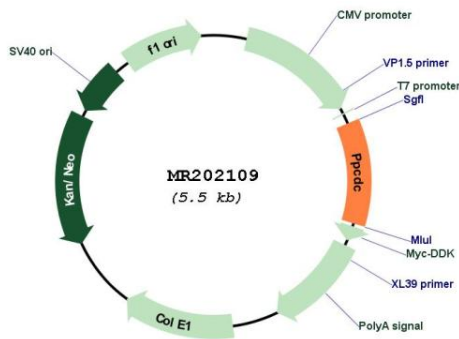
UniProt ID: [Q8BZB2](#)

**Cytogenetics:** 9 B

**MW:** 22.3 kDa

**Gene Summary:** Necessary for the biosynthesis of coenzyme A. Catalyzes the decarboxylation of 4-phosphopantothenoylcysteine to form 4'-phosphopantotheine (By similarity). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR202109