

## Product datasheet for **RR201083**

### **Pccb (NM\_017030) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pccb (NM_017030) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pccb
Synonyms:	MGC93516
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR201083 representing NM\_017030  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGCGGCGATTTCGATTTCGGCGATGGCAGCTGGAACGAGGCTCAGAGTTCTGAAGTCCGGCCTCC  
 GCACCACAATCCGCAGCCTTTGCAGCCAGCCGGTCTCAGTTAACGAGCGCATCGAAAACAAGCGCCATGC  
 CCGCTGCTGGGAGGAGCCAGCGACGCATCGACGCACAGCACAAAGCGAGGAAAGCTGACAGCCAGGGAG  
 CGGATCAGTCTCCTGCTGGATCCTGGCAGCTTCGTGGAGAGTGACATGTTTGTGGAACACAGGTGTGCCG  
 ACTTCGGAATGGCTGCCGAGAAGAATAAGTTTCTGGAGATAGTGTGGTCACTGGACGGGGCAGAATCAA  
 TGGACGATTGGTTATGTCTTCAGTCAGGATTTTACAGTTTTTGGAGGCAGTCTGTCAGGCGCACATGCT  
 CAGAAGATCTGAAAATCATGGACCAGGCCATAACAGTGGGGCTCCAGTGATCGGACTCAATGACTCCG  
 GGGGCCCGAGAATCCAGGAGGGGTGGAGTCCTGGCTGGCTATGCAGACATCTTCTGAGGAATGTCAC  
 AGCGTCCGGAGTCATCCCTCAGATTTCTGATCATGGGCCATCGCTGGTGGGGCCGCTACTCCCCC  
 GCCTGACAGACTTACATTCATGGTGAAGGACACGTCCTACCTGTTTACTGACCCTGAAGTTGTGA  
 AGTCTGTTACCAATGAAGACGTGACTCAGGAGCAGCTGGGTGGTCCAAAGACCCACACCCTGTGTCAAG  
 TGTGGCCACAGAGCTTTTCGACAATGACGTCGATGCTCTGTGTAACCTGCGTGAATCTTCAACTTTCTG  
 CCCCTCAGCAACCAGGACCCGGCTCCCATCCGAGAGTGCCATGACCCAGTGACCGTCTGGTTCTGAGC  
 TGGATACAGTTGTCCTTTGGAGTCAAGCAAAGCCTATAACATGCTAGACATCATACATGCAGTGATTGA  
 CGAGAGAGAGTTTTTTGAGATAATGCCCAATTATGCAAAAACATTGTCATTGGCTTTGCAAGAATGAAT  
 GGGAGGACCGTTGGAATTGTTGGCAACCAGCCAACTGGCTTTCAGGGTGCCTGGACATTAATTCATCTG  
 TGAAGGGGCTCGTTTTGTCAGATTCTGTGATGCTTTTCAGCATTCTCTCATCACTTTCTGATGTCCTC  
 TGGCTTCTGCTGGCACAGCGCAGGAATATGGAGGCATCATCCGGCATGGTGCCAAGCTGCTCTACGCC  
 TTTGCCGAGGCCACCGTGCCTCAAAATCACGGTCATCACCAGGAAGGCCTATGGAGGTGCCTATGATGTCA  
 TGAGCTCCAAACACCTTCTTGGTGATACCAACTATGCCTGGCCACAGCTGAGATTGCAGTCATGGGTGC  
 AAAGGGTGCCGTGGAGATCATCTTCAAAGGACACCAAGACGTGGAAGCCGCCAGGCAGAGTATGTGGAA  
 AAGTTTGCCAATCCTTCCCTGCAGCCGTGAGAGGGTTCGTGGATGACATCATCCAGCCGCTCTACTC  
 GTGCTCGGATATGCTGTGACCTGGAAGTCTGGCCAGCAAGAAGTCCATCGTCTTGGAGGAAGCATGC  
 CAATGTCCACTG

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>RR201083 representing NM\_017030  
 Red=Cloning site Green=Tags(s)

MAAIRIRAMAAGTRLRVLNCLRTTIRSLCSQPVSVNERIENKRHAALLGGQRRIDAQHKRGKLTARE  
 RISLLLDPGSFVESDMFVEHRCADFMAAEKNKFPGDSVVTGRGRINGRLVYVFSQDFTVFGGSLSGAHA  
 QKICKIMDQAITVGAPVIGLNDSSGARIQEGVESLAGYADIFLRNVTASGVIPQISLIMGPCAGGAVYSP  
 ALTDFTFMVKDTSYLFITGPEVVKSVTNEVDVTEQLGGAKTHTTVSGVAHRAFDNDVDALCNLREFFNFL  
 PLSNQDPAPIRECHDPSDRLVPELDTVPLESSKAYNMLDIIHAVIDEREFFEIMPNYAKNIVIGFARMN  
 GRTVGI VGNQPNVASGCLDINSSVKGARFVRFCDAFSIPLITFVDVPGFLPGTAQEYGGIIRHGAKLLYA  
 FAEATVPKITVITRKAYGGAYDVMSSKHLLDGDTNYAWPTAEIAVMGAKGAVEIIFKQHDVEAAQAEYVE  
 KFANFPFAAVRGFVDDIIQPSSTRARICCDLEVLASKKVHRPWKRKHANVPL

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_017030

ORF Size: 1623 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\\_017030.2](#), [NP\\_058726.2](#)

RefSeq Size: 1833 bp

RefSeq ORF: 1626 bp

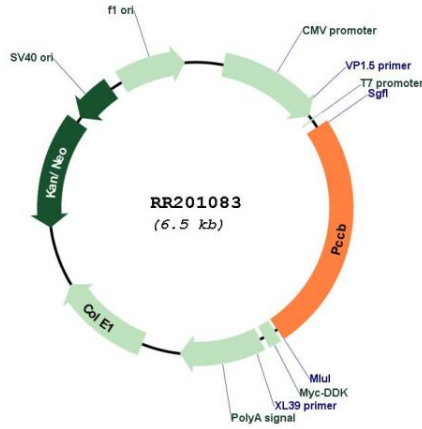
Locus ID: 24624

Cytogenetics: 8q31

**MW:** 58.7 kDa

**Gene Summary:** beta subunit of propionyl coenzyme A, which catalyzes the conversion of ATP, propanoyl-CoA, and HCO<sub>3</sub><sup>-</sup> to ADP, phosphate, and (S)-methylmalonyl-CoA [RGD, Feb 2006]

**Product images:**



Circular map for RR201083