

## Product datasheet for **RG207503**

### PCMTD2 (NM\_018257) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | PCMTD2 (NM_018257) Human Tagged ORF Clone                                   |
| Tag:                      | TurboGFP  |
| Symbol:                   | PCMTD2  |
| Synonyms:                 | C20orf36  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >RG207503 representing NM_018257<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCGGTGCTGTGAGTCTGGTGAAGACAATGAAGAGCTGATAGATAATTTGAAAGAAGCACAGTATA  
TCCGGACTGAGCTGGTAGAGCAGGCTTTTCAGAGCTATCGATCGTGCAGACTATTATCTTGAAGAATTTAA  
AGAAAATGCTTATAAAGACTTGGCATGGAAGCATGGAACATTCACCTCTCAGCCCCGTGCATCTACTCG  
GAGGTGATGGAAGCCCTAGATCTGCAGCCTGGACTCTCGTTTCTGAACCTGGGCAGTGGCACTGGGTATC  
TCAGCTCCATGGTGGCCTCATTCTAGGTCTTTTGGTGTGAACCATGGGGTGGAACTTCACTCAGATGT  
GATAGAGTATGCAAAGCAGAACTGGACTTCTTCATCAGAACAAGTATAGTTTTGACAAGTTTGACTTC  
TGTGAACCTTCTTTGTTACTGGGAATTGCCTGGAGATTTCTCCGGATTGTTCTCAGTATGATCGTGTAT  
ACTGTGGGGCTGGCGTGCAGAAAGAGCATGAAGAGTACATGAAGAATCTTCTCAAAGTGGGAGGGATCCT  
TGTTCATGCCACTGGAAGAGAAGTTGACTAAGATAACACGCACAGGTCTTTCAGCTTGGGAAACAAAAAG  
ATTCTTGTGTTTCTTTTGTCTCTGATCCAGCCCTGCCATTCAGAGTCAGGAAAATCAAGACTTGTCC  
AGTTACCACAGTGGCAGTTCGCAGCCTCCAGGACTTGGCTCGCATCGCCATCCGGGGCACCATTA  
GATTATTCATCAGGAACTGTGAGCAAAAACGGAAACGGACTAAAGAACACCCCCAGTTTAAACGAAGG  
AGAGTTCGCCCGCTCGAATGGAACGATTGTCTTTTGGACAAAGAAGTCTTTGCCAGTCGGATTTCCA  
ACCCCTCAGATGACAACAGCTGTGAAGACTTGGAAAGAGGAACGGAGGGAAGAAGAAGAGAAGACCCCGCC  
GGAAACAAGCCAGACCCCCAGTGAATTCCTACGCCAGAAGGTCTGAGCCTCCCTCTGCCAGATCCC  
CTGAAATACTACTTGCTTATTACAGAGAAAAA

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207503 representing NM\_018257  
 Red=Cloning site Green=Tags(s)

MGGAVSAGEDNEELIDNLKEAQYIRTELVEQAFRAIDRADYYLEEFKENAYKDLAWKHGNIHLSAPCIYS  
 EVMEALDLQPGLSFLNLGSGTGYLSSMVGLILGPFVGNHGVELHSDVIEYAKQLDFFIRTSDFSDFKDFD  
 CEPFSFVTGNCLEISPDSCQYDRVYCGAGVQKEHEEYMKNLKLVGGILVMPLEEKLTKITRTGPSAWETKK  
 ILAVSFAPLIQPCHSESGKSRLVQLPPVAVRSLQDLARIAIRGTIKKI IHQETVSKNGNGLKNTPRFKRR  
 RVRRRRMETIVFLDKEVFASRISNPSDDNSCEDLEEEREEEEKTPPETKPDPPVNFRLRQKVL SLPLPDP  
 LKYLLLYREK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_018257

**ORF Size:** 1083 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\\_018257.1](#), [NP\\_060727.1](#)

**RefSeq Size:** 3655 bp

**RefSeq ORF:** 1086 bp

**Locus ID:** 55251

**UniProt ID:** [Q9NV79](#)

**Cytogenetics:** 20q13.33

**Domains:** PCMT

**Protein Families:** Druggable Genome

**Product images:**



Circular map for RG207503