

## Product datasheet for **RG206703**

### PDCL2 (NM\_152401) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PDCL2 (NM_152401) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PDCL2
Synonyms:	GCPHLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206703 representing NM_152401 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGGATCCCAATGAAGATACAGAATGGAATGACATTTAAGAGATTCGGCATTCTTCCTCCTAAAG  
AAGAGTCAAAGATGAAATTGAAGAAATGGTTTTACGTTTACAGAAAGAAGCAATGGTGAACCATTGGA  
AAAGATGACTCTGCACAGCTAAAGGAAGCTGAAGATGAATTTAATGAAGAAGATATGCAGGCTGTTGAA  
ACATATAGAAAGAAGCGTTACAGGAATGAAAGCTCTTAAGAAAAACAAAAATTTGGAGAATTAAGAG  
AAATTTCTGGAAATCAGTATGTGAATGAAGTCAAAATGCAGAAGAAGATGTGTGGTTATAATTCATCT  
ATACAGATCAAGCATCCAATGTGTTTGTGGTTAACCAGCATCTTAGTCTTCTAGCAAGAAAGTTTCCA  
GAAACTAAATTTGTTAAAGCCATCGTGAATAGCTGTATTCAACTACCATGACAATGTTTACCAACAA  
TTTTTGTGTATAAAAAATGGTCAGATAGAAGCCAAATTCATTGGAATTATAGAATGTGGAGGGATAAATCT  
CAAGCTGGAAGAACTTGAATGGAAGCTAGCAGAAGTTGGAGCAATACAGACTGATTTGGAAGAAAACCC  
AGAAAAGACATGGTAGATATGATGGTATCTTCAATTAGAAACACTTCTATTCATGATGACAGTGATAGCT  
CCAACAGTGATAATGAACCAATAGAGAGAAATATTCAATAAATAGCTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG206703 representing NM\_152401  
 Red=Cloning site Green=Tags(s)

MQDPNEDTEWNDILRDFGILPPKEESKDEIEEMVLRQLQKEAMVKPFKMTLAQLKEAEDEFNEEDMQAVE  
 TYRKKRLQEWKALKKKQKFGELREISGNQYVNEVTNAEEDVWVI IHL YRSSIPMCLLVNQHL SLLARKFP  
 ETKFVKAIVNSCIQHYHDNCLPTIFVYKNGQIEAKFIGIIECGGINLKL EEELEWKLAEVGAIQTDLEENP  
 RKDMVDMMVSSIRNTSIHDDSDSSNSDNEPNREKYSINSF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152401

**ORF Size:** 750 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\\_152401.1](#)

**RefSeq Size:** 873 bp

**RefSeq ORF:** 726 bp

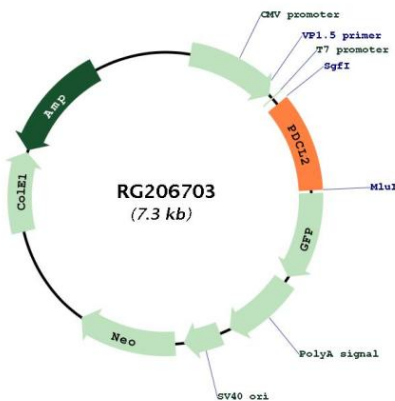
**Locus ID:** 132954

**UniProt ID:** [Q8N4E4](#)

**Cytogenetics:** 4q12

**Gene Summary:** This gene encodes a member of the phosducin-like protein family and is a putative modulator of heterotrimeric G proteins. The protein shares extensive amino acid sequence homology with phosducin. Members of the phosducin-like protein family have been shown to bind to the beta-gamma subunits of G proteins. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG206703