

Product datasheet for **RG203166**

PDCL (NM_005388) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | PDCL (NM_005388) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | PDCL |
| Synonyms: | PhLP |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG203166 representing NM_005388 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACCACCTTGATGATAAGTTGCTGGGGAGAACTGCAGTACTACTATAGCAGCAGTGAGGATGAGG
ACAGTGACCACGAGGACAAGGACCGAGGCAGATGTGCCCCAGCCAGCAGTTCTGTGCCTGCAGAGGCTGA
GCTGGCAGGCGAAGGCATCTCAGTTAACACAGGCCAAAAGGTGTGATCAATGACTGGCGCCGCTTCAAG
CAGTTGGAGACAGAGCAGAGGGAGGAGCAGTGCCGGGAGATGAAAGGCTGATCAAGAAGCTGTCAATGA
CTTGCAGGTCCCATCTGGATGAAGAGGAGGAGCAACAGAAACAGAAAGACCTCCAGGAGAAGATCAGTGG
GAAGATGACTCTGAAGGAGTTTGCATAATGAATGAGGACCAAGATGATGAAGAGTTTCTGCAGCAGTAC
CGGAAGCAGCGAATGGAAGAGATGCGGCAGCAGCTTACAAAGGGCCCAATTCAAGCAGTTTTTGTAGA
TCTCCAGTGGAGAAGGGTTTTAGACATGATTGATAAAGAACAGAAAAGCATTGTCATCATGGTTTCATAT
TTATGAGGATGGCATTCCAGGGACCGAAGCCATGAATGGTTGCATGATCTGCCTTGCCGCAGAGTACCCA
GCTGTCAAGTTCTGCAAGGTGAAGAGCTCAGTTATTGGCGCCAGCAGTCAGTTACCAGGAATGCCCTTC
CTGCCCTGCTGATCTATAAGGGGGTGAATTGATCGGCAATTTTGTTCGTGTTACTGACCAGCTGGGGGA
TGATTTCTTTGCTGTGGACCTTGAAGCTTTTCTCCAGGAATTTGGATTACTCCAGAAAAGGAAGTCTTG
GTGCTGACATCTGTGCGTAACTGCCACGTGTCACAGTGAGGATAGCGACCTGGAATAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203166 representing NM_005388
 Red=Cloning site Green=Tags(s)

MTLLDDKLLGEKLQYYYSSSEDESDHEDKDRGRCAPASSVPAEELAGEGISVNTGPKGVINDWRRFK
 QLETEQREEQCREMERLIKLLSMTCRSHLDEEEEQKQKDLQEKISGKMTLKEFAIMNEDQDDEEFLQYY
 RKQRMEEMRQQLHKGPQFKQVFEISSGEGFLDMIDKEQKSIIVIMVHIYEDGIPGTEAMNGCMICLAAEYP
 AVKFCKVKSSVIGASSQFTRNALPALLIYKGGELIGNFVRVTDQLGDDFFAVDLEAFLQEFGLLPEKEVL
 VLTSVRNSATCHSESDLEID

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005388

ORF Size: 903 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_005388.5](#)

RefSeq Size: 2774 bp

RefSeq ORF: 906 bp

Locus ID: 5082

UniProt ID: [Q13371](#)

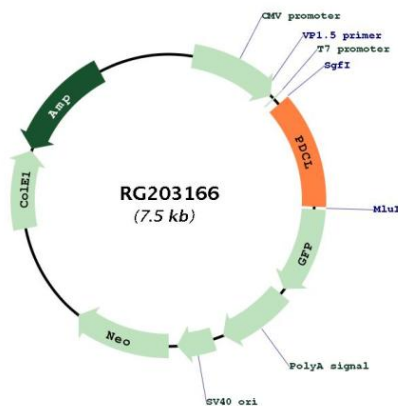
Cytogenetics: 9q33.2

Domains: Phosducin

Protein Families: Druggable Genome

Gene Summary: Phosducin-like protein is a putative modulator of heterotrimeric G proteins. The protein shares extensive amino acid sequence homology with phosducin, a phosphoprotein expressed in retina and pineal gland. Both phosducin-like protein and phosducin have been shown to regulate G-protein signaling by binding to the beta-gamma subunits of G proteins. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203166