

Product datasheet for **MG202965**

Pdcl2 (NM_023508) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcl2 (NM_023508) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pdcl2
Synonyms:	1700010B22Rik; 1700016K07Rik; Mgcphlp; Tphlp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202965 representing NM_023508 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGATCCAAACGAAGATACAGAATGGAATGAAATTTAAGGAATTTGGCATTCTTCTCCAAAAG
AAGAACCAAAAGATGAAATTGAAGAGATGGTGTTCGCTTACAGCAGGAGGCCATGGTTAAACCATATGA
GAAGATGACACTGGCACAACTGAAAGAAGCAGAAGATGAATTTGATGAAGAAGACATAAAAGCTATTGAA
ATATATAGAGAAAAGCGTTACAGGAATGAAAGCACTTAAGAAGAAACAAAAATTTGGGAATTGAGAG
AAATTTCTGAAATCAGTATGTGAATGAAGTACAAATGCAGAAAAGACCTGTGGTGTGAATTCATCT
CTATAGATCAAGTGTCCAATGTGCTTGGTGGTTAACCAACATCTGAGTGTCTAGCAAGAAAGTTCCA
GAAACCAATTTGTTAAAGCCATCGTGAATAGCTGCATTGAACACTACCATGACAACCTGTTACCAACAA
TTTTGTATTATAAAAATGGTCAGATAGAAGCAAATTCATTGGAATTATAGAATGTGGAGGGATAAATCT
CAAGCTAGAAGAACTTGAATGAAACTATCAGAAGTTGGAGCGATACAGAGTGACTTGAAGAAAACCCC
AAAAAGGCATTGCAGATATGATGGTGTCTTCAATTAGAAACATCTCCATTTATGACAGCGATAGCTCTG
GCAGTGACACTGAGGCTAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202965 representing NM_023508
 Red=Cloning site Green=Tags(s)

MQDPNEDTEWNEILRNFGILPPKEEPKDEIEEMVLRQLQEQEAMVKPYEKMTLAQLKEAEDEFDEEDIKAE
 IYREKRLQEWKALKKKQKFGELREISGNQYVNEVTNAEKDLWVVIHL YRSSVPMCLVVNQHL SVLARKFP
 ETKFVKAI VNSCIEHYHDNCLPTIFVYKNGQIEGKFIGIIECGGINL KLEELEWKLSEVGAIQSDLEENP
 KKG IADMMVSSIRNISIYDSDSSGSDTEAK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023508

ORF Size: 720 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_023508.7](#), [NP_075997.1](#)

RefSeq Size: 1117 bp

RefSeq ORF: 723 bp

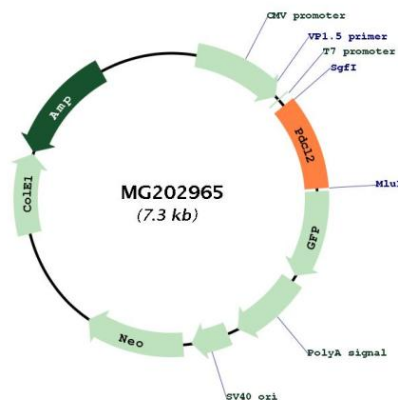
Locus ID: 79455

UniProt ID: [Q78Y63](#)

Cytogenetics: 5 C3.3

Gene Summary: May play a role in germ cell maturation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202965