

## Product datasheet for **RG202997**

### **MGC13096 (PDCD2L) (NM\_032346) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MGC13096 (PDCD2L) (NM_032346) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MGC13096
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202997 representing NM_032346 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCCGTTCTGAAGCCGGTGTGCTGGGCCTTCGAGATGCGCCGGTGCACGGCAGCCCCACAGGGC  
CGGGTGCCTGGACTGCTAGCAAGCTGGGCGGCATTCGGATGCTCTGCCACCGTGGCTGCGCCAGGCC  
CGTGTGCAGCGCTGCGGGCAGCCGCTCGCTCTGGTCGTGAGGTGATTGCCCGCTGGAAGGCTCCCCG  
TTTCACCGTCTGCTGCACGTGTTTCGCGTGCCTGCCCGGCTGTAGCACCGCGGTGCGCGCAGCTGGA  
AGGTGTTCCGCTCCAGTGCCTGCAGGTGCCAGAGAGAGAGGGCGCAGGACGCTCAGAAACAGGGAAACAG  
CCTTGCAGCTGAGGACTGGTGTGAAGGTGCTGATGACTGGGAAGTGATACTGAGGAGGGCCTTACCA  
CAGTTTACCTTGATTTTGGGAATGATGCCAGCAGTGCCAAAGACGTAGACTGGACTGCTCGCTCCAAG  
ACCTCCGCTGCAGGATGCTGTCTGGGTGCTGCCATCCTGTGCCTCCTGGGCTGCCGCTCTTCTGCC  
CTACTACATCTGTGTCAGATGAGGATGATTACAGGGACTTTGTCAACCTGGATCATGCCACAGCCTT  
CTGAGGGACTATCAGCAGAGAGAAGGCATTGCCATGGATCAGTTGCTTTCCCAAAGCCTTCTAATGATG  
GTGATGAAAAATATGAGAAGACCATAATTTAAAAGTGGAGATCAGACGTTTTACAAATTCATGAAGCGAAT  
TGCTGCTTGTGAGGACAGATTTTGGAGTATTCTGGAGTGGAGAGCCACTCTTTTTGACCTGCCCTACA  
TCAGAAGTACCGAGCTCCAGCCTGCAGCCAGTGTGGAGCCAAAGGATATTTGAGTTTCAGCTTATGC  
CAGCACTGGTCAAGATGCTCAAGAGTGTAATTTAGGTCTTTCTGTGGAATTTGGAACAATCTAGTTTA  
CACATGTGAGAAGAGTTGCTGGCCCCAAATCATCAGACTCCCATGGAAGAATTTGTATTATACAAGAA  
GACCCAGATGAATTATTGTTAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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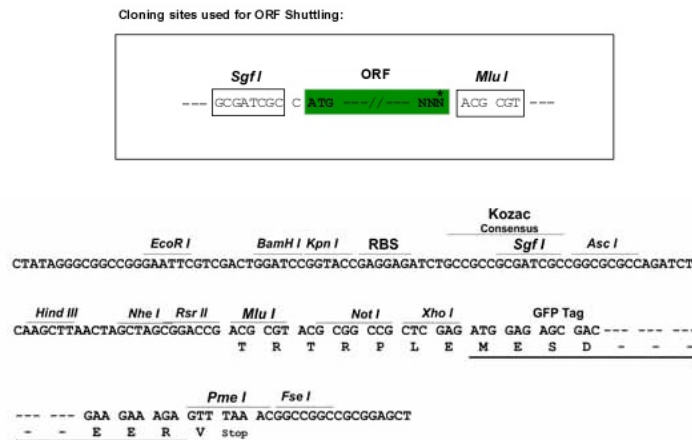
**Protein Sequence:** >RG202997 representing NM\_032346  
 Red=Cloning site Green=Tags(s)

MAAVLKPVLLGLRDAPVHGSPTGPGAWTASLGGIPDALPTVAAPRPVCQRGQPLALVVQVYCPLEGSP  
 FHRLLVHFACACPGCSTGGARSWKVFRSQCLQVPEREAQDAQKQGNLAAEDWCEGADDWGSDEEGPSP  
 QFTLDFGNDASSAKDWDWTLRLQDLRLQDAVLGAAHPVPPGLPLFLPYIICVADEDDYRDFVNLDDHAHSL  
 LRDYQOREGIAMDQLLSQSLPNDGDEKEYEKTIKSGDQTFYKFMKRIAACQEQLIRYSWSGEPLFLTCPT  
 SEVTELPACSQCGGQRIFEFQLMPALVSMKLSANLGLSVEFGTILVYTCESKSWPPNHQTPMEEFCCIQE  
 DPDELLFK

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_032346

**ORF Size:** 1074 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\\_032346.2](#)

**RefSeq Size:** 1174 bp

**RefSeq ORF:** 1077 bp

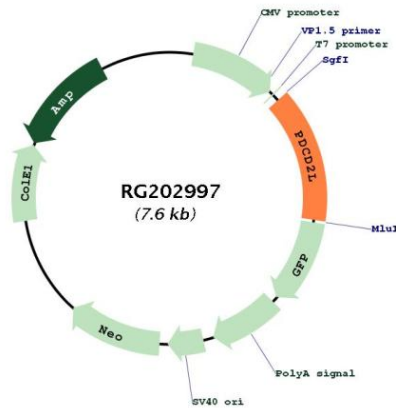
**Locus ID:** 84306

**UniProt ID:** [Q9BRP1](#)

**Cytogenetics:** 19q13.11

**Gene Summary:** Over-expression suppresses AP1, CREB, NFAT, and NF-kB transcriptional activation, and delays cell cycle progression at S phase.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG202997