

## Product datasheet for **RR212477**

### **Pdcd1 (NM\_001106927) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd1 (NM_001106927) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdcd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR212477 representing NM_001106927 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGGTCCAGCAGGTACCCTGGTCATCACTTGGGCTGTGCTACAGTTGAGCTGGCAATCAGGGTGGC  
TTCTAGAGGTCTCAATAAGCCCTGGAGGCCCTCACCTTCTCCCAACCTGGCTCACAGTGTAGAGGG  
AGCAAATGCCACCTTCACCTGCAGTTTCTCCAAGTGGTCGGAGGATCTTAAGCTGAACTGGTACCGTCTG  
AGTCCCAGCAACCAGACTGAAAAACAGGCCGCTTCTGCAATGGTTACAGCCAGCCCGTCCGGGATGCC  
GCTTCCAGATCGTACAACTGCCAACGGACATGACTTCCACATGAACATCCTCGATGCACGGCGCAATGA  
CAGTGGCATCTACCTCTGTGGGGCCATCTCCCTGCCTCCCAAGGCACAAATCAAAGAGAGTCTGGAGCA  
GAGCTTGTGGTAACAGAGAGAATCCTGGAGACCCCAACAAGATATCCCAGACCCTCACCCAAGCCAGAAG  
GCCAGTTTCAAGGCTTGGTCATTGTTCATCATGAGCGTCTAGTGGGTATCCCCGTGTTGCTGCTGCTGGC  
CTGGGCTCTCGCTGCCTTCTGCTCAACAGGTATGTGAGAGGCCAGAGAAGCTGGACGCAAGGAAGACCTT  
CCGAAGGAGGGCATGCAGCAGCCCTGTTCCAGTGTGGCTACGAGGAGCTGGACTTTCAGGGACGAG  
AGAAGACACCAGACCTGCCCTGTGTGCACACAGAATACGCCACCATTGTCTTCACTGAAGGACTGGA  
TGCTCAGCCATAGGACGTAGGGGCTCAGCTGATGGCCACAGGGTCTCGGCCCTCAAGACATGAGGAT  
GGACACTGCTCTTGGCTCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR212477 representing NM\_001106927  
Red=Cloning site Green=Tags(s)

MWVQQVPWSFTWAVLQLSWQSGWLLLEVLNKPWRPLTFSPWTWTVSEGANATFTCSFSNWSDELKLNWYRL  
 SPSNQTEKQAAFCNGYSQPVDRARFQIVQLPNGHDFHMNILDARRNSGIYLCGAI SLPPKAQIKESPGA  
 ELVVTERILETPTRYPRPSPKPEGQFQGLVIVIMSVLVGIPVLLLLLAWALAAFCSTGMSEAREAGRKEDP  
 PKEAHAAPVPSVAYEELDFQGREKTPEPAPCVHTEYATIVFTEGLDASAI GRRGSADGPQGP RPPRHED  
 GHCSWPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001106927

**ORF Size:** 861 bp

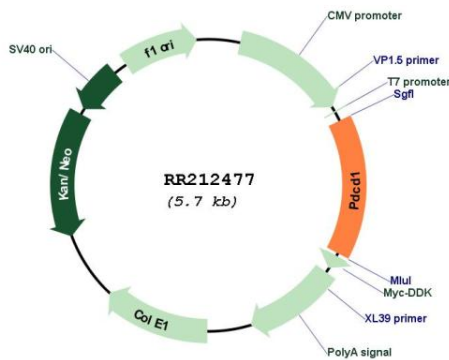
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\_001106927.1, NP\_001100397.1
- RefSeq Size:** 1927 bp
- RefSeq ORF:** 864 bp
- Locus ID:** 301626
- Cytogenetics:** 9q36
- MW:** 31.9 kDa

**Product images:**



Circular map for RR212477