

Product datasheet for **RR208806**

Pdcd4 (NM_022265) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd4 (NM_022265) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdcd4
Synonyms:	Dug
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR208806 representing NM_022265
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGTAGAAAACGAGCAGATACTGAATGTGAACCCACTGACCCTGACAATTTAAGTACTCTCTCT
 TTTCTGGAGATGAAGAAAATGCTGGCACTGAGGAAATAAAGAATGAAATAAATGGAAATTGGATCTCCGC
 ATCTACTATTAATGAAGCTAGAATTAATGCTAAAGCAAAAAGACGACTGCGGAAAAATTCATCCCGGAC
 TCTGGCCGAGGCGATTCACTCAGTGATAATGGAAGTGAAGCAGTTAGAAGTGGAGTAGCTGTGCCACCA
 GTCCAAAAGGAAGGTTGCTAGATAGGCGGTCCAGATCTGGGAAAGGAAGGGGGCTGCCAAAAGAAAGTGG
 TGCAGGAGGCAAGGGTGTCTGGGCGACACCTGGACAGGTATATGATGTGGAGGAGGTGGATGTGAAAGAT
 CCAAATATGATGATGACCAGGAGAACTGTGTTTATGAGACTGTGGTTCTGCCCTGGATGAGACGGCGT
 TTGAGAAGACGTTAACACCCATCATACAGGAGTACTTTGAGCACGGAGATACGAACGAAGTCGCGGAGAT
 GTTAAGGGATTTGAACCTTGGGGAGATGAAGAGTGGTGTGCCCGTGTGGCAGTGCCTTAGCCTTGGAG
 GGGAAAGCCAGTACCGGGAGATGACTTCCAAGCTGCTTTCTGACCTTTGCGGGACAGTGATGAGACAA
 ATGACGTGGAAAAGTCAATTTGACAAGTTGTTGAAGGATCTCCCCGAGCTAGCCTTGGACACTCCGAGAGC
 ACCACAGTTGGTGGGCCAGTTTATTGCTAGAGCTGTTGGAGATGGGATCTTGTGTAACACCTACATCGAT
 AGCTACAAAGGCACTGTGGACTGCGTCCAGGCCAGGGCTGCTTTGGACAAGGCTACTGTGCTCCTGAGTA
 TGTCTAAAGGTGGAAAGCGTAAGGATAGTGTGTGGGATCCGGAGGAGGGCAGCAGCCTGTCAATCACCT
 TGTTAAAGAGATCGATATGCTGCTTAAAGAGTATTTGCTCTCTGGAGATATGCTGAAGCTGAGCACTGC
 CTTAAGGAACTGGAAGTACCGCATTCCACCACGAGCTGGTATATGAGGCCATTGTAATGGTTTTAGAGT
 CAACTGGAGAAAGTGCATTCAAGATGATGTTAGATTTATTAATAATCCTTGTGGAAGTCTTACTATTAC
 CATAGACCAAAATGAAAAGAGGTTATGAGAGAATTTATAATGAAAATTCGGATATTAATCTGGATGTCCCA
 CACTCATACTCTGTGCTTGGAGATTTGTGGAGGAATGTTTTAGGCTGGAAATCATTTCAAAACACTCC
 GAGATCTTTGTCCATCAAGGGGAAGAAAGCGTTTTGTAAGTGAAGGAGATGGAGTCTTAAACCTGA
 GAGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208806 representing NM_022265
 Red=Cloning site Green=Tags(s)

MDVENEQILNVNPTDPDNLSDSLFSGDEENAGTEEIKNEINGNWI SASTINEARINAKAKRRLRNSSRD
 SGRGDSVSDNGSEAVRSGVAVPTSPKGRLLDRRSRSGKGRGLPKKGGAGGKGVWGTGPGQVYDVEEVDVKD
 PNYDDQENCYVETVVLPLDETA FEKTL TPIIQEYFEHGDNEVAEMLRDLNLGEMKSGVPVLAVSLALE
 GKASHREMTSKLLSDLCGTMSTNDVEKSFDKLLKDLPELALDTPRAPQLVGQFIARAVGDGILCNTYID
 SYKGTVDCVQARAALDKATVLLSMSKGGKRKDSVWGSQQPVNHLVKEIDMLLKEYLLSGDMSEAEHC
 LKELEVPHFHHELVYEAIVMVESTGESAFKMMLDLKSLWKSSTITIDQMKRGYERIYNEIPDINLDVP
 HSYSVLERFVEECFQAGIISKQLRDLCP SRGRKRFVSEGDGGRLLKPESY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

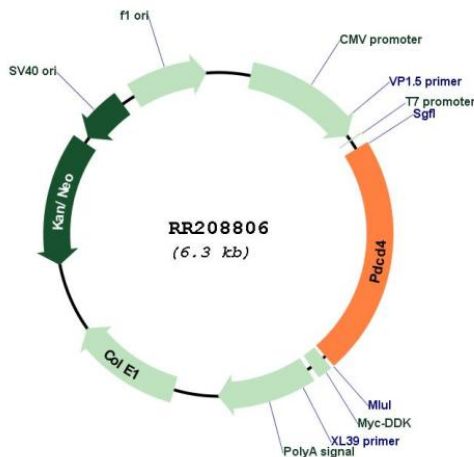
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_022265

ORF Size:

1407 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_022265.2](#), [NP_071601.2](#)

RefSeq Size: 1410 bp

RefSeq ORF: 1410 bp

Locus ID: 64031

UniProt ID: [Q9JID1](#)

Cytogenetics: 1q55

MW: 51.7 kDa

Gene Summary: acts as an inhibitor of apoptosis; has similarity to eukaryotic translation initiation factor (eIF)4G [RGD, Feb 2006]