

Product datasheet for **RC232775**

PDCD4 (NM_001199492) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDCD4 (NM_001199492) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PDCD4
Synonyms:	H731
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC232775 representing NM_001199492
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGTAGAAAATGAGCAGATACTGAATGTAACCCTGCAGAAAATGCTGGGACTGAGGAAAATAAGA
 ATGAAATAAATGGAAATTGGATTTAGCATCTCCATTAAACGAAGCTAGAATTAATGCCAAGGCAAAAAG
 GCGACTAAGGAAAAACTCATCCCGGACTCTGGCAGAGGCGATTTCGGTCAGCGACAGTGGGAGTGACGCC
 CTTAGAAGTGGATTAAGTGTCCAACAGTCCAAGGGAAGGTTGCTGGATAGGCGATCCAGATCTGGGA
 AAGGAAGGGGACTACAAAGAAAGGTGGTGCAGGAGGCAAGGTGTCTGGGGTACACCTGGCAGGTGTA
 TGATGTGGAGGAGGTGGATGTGAAAGATCTAACTATGATGATGACCAGGAGAACTGTGTTTATGAACT
 GTAGTTTTGCCTTTGGATGAAAGGCATTTGAGAAGACTTAAACCAATCATACAGGAATATTTTGAGC
 ATGGAGATACTAATGAAGTTGCGGAAATGTTAAGAGATTTAAATCTTGGTAAAAGTGGAGTACC
 AGTGTGGCAGTATCCTTAGCATTGGAGGGGAAGGCTAGTCATAGAGAGATGACATCTAAGCTTCTTTCT
 GACCTTTGTGGGACAGTAAATGAGCACAACCTGATGTGAAAAATCATTTGATAAATGTTGAAAGATCTAC
 CTGAATTAGCACTGGATACTCCTAGAGCACACAGTTGGTGGGCCAGTTTATTGTAGAGCTGTTGGAGA
 TGGAAATTTATGTAATACCTATATTGATAGTTACAAAGGAACTGTAGATTGTGTGCAAGGCTAGAGCTGCT
 CTGGATAAGGCTACCGTCTTCTGAGTATGTCTAAAGGTGGAAAGCGTAAAGATAGTGTGTGGGGCTCTG
 GAGGTGGGACGCAATCTGCAATCACCTTGTAAAGAGATTGATATGCTGCTGAAAGAATATTTACTCTC
 TGGAGACATATCTGAAGCTGAACATTGCCTTAAGGAAGTGAAGTACCTCATTTTACCATGAGCTTGTA
 TATGAAGCTATTATAATGGTTTTAGAGTCAACTGGAGAAAAGTACATTTAAGATGATTTTGGATTTATTA
 AGTCCCTTTGGAAGTCTTCTACCATTACTGTAGACCAAATGAAAAGAGGTTATGAGAGAATTTACAATGA
 AATTCGGACATTAATCTGGATGTCCACATTCATACTCTGTGCTGGAGCGGTTTGTAGAAGAATGTTTT
 CAGGCTGGAATAATTTCAAACAACTCAGAGATCTTTGCTTCAAGGGGAGAAAAGCGTTTTGTAGCG
 AAGGAGATGGAGGTCGTCTTAAACCAGAGAGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232775 representing NM_001199492
 Red=Cloning site Green=Tags(s)

MDVENEQILNVNPAENAGTEEIKNEINGNWISASSINEARINAKAKRRLRKNSSRDSGRGDSVSDSGSDA
 LRSGLTVPTSPKGRLLDRRSRSGKGRGLPKKGGAGGKGVWGTGPGVYDVEEVDVKDPNYDDQENCVYET
 VVLPDRAFEKLTPIIQEYFEHGDNEVAEMLRDLNLGEMKSGVPVLAVALLEGKASHREMTSKLLS
 DLCGTVMSTTDVEKSFDKLLKDLPELALDTPRAPQLVGQFIARAVGDGILCNTYIDSYKGTVDCVQARAA
 LDKATVLLSMKGGKRKDSVWVSGGGQSVNHLVKEIDMLLKEYLLSGDISEAEHCLKELEVPHFHELIV
 YEAIMVLESTGESTFKMILDLLKSLWKSSTITVDQMKRGERIYNEIPDINLDVPHSYSVLERFVEECF
 QAGIISKQLRDLCPGRKRFRVSEGDGGRKLPESY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001199492

ORF Size: 1365 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_001199492.1](#), [NP_001186421.1](#)

RefSeq Size: 3602 bp

RefSeq ORF: 1368 bp

Locus ID: 27250

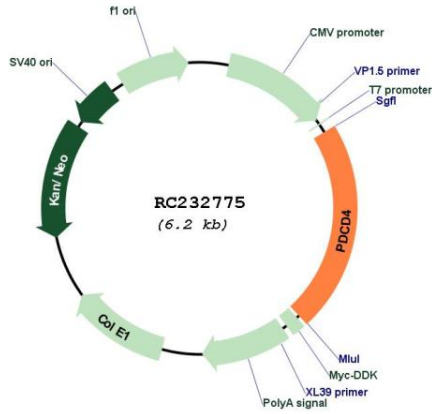
Cytogenetics: 10q25.2

Protein Families: Druggable Genome

MW: 50.7 kDa

Gene Summary: This gene is a tumor suppressor and encodes a protein that binds to the eukaryotic translation initiation factor 4A1 and inhibits its function by preventing RNA binding. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]

Product images:



Circular map for RC232775