

Product datasheet for **RG232775**

PDCD4 (NM_001199492) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDCD4 (NM_001199492) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PDCD4
Synonyms:	H731
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG232775 representing NM_001199492
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATGTAGAAAATGAGCAGATACTGAATGTAACCCTGCAGAAAATGCTGGGACTGAGGAAAATAAGA
 ATGAAATAAATGGAAATTGGATTTTCAGCATCCTCCATTAAACGAAGCTAGAATTAATGCCAAGGCAAAAAG
 GCGACTAAGGAAAAACTCATCCCGGACTCTGGCAGAGGCGATTTCGGTCAGCGACAGTGGGAGTGACGCC
 CTTAGAAGTGGATTAAGTGTCCAACAGTCCAAGGGAAGGTTGCTGGATAGGCGATCCAGATCTGGGA
 AAGGAAGGGGACTACAAAGAAAGGTGGTGCAGGAGGCAAGGTGTCTGGGGTACACCTGGCAGGTGTA
 TGATGTGGAGGAGGTGGATGTGAAAGATCCTAACTATGATGATGACCAGGAGAACTGTGTTTATGAACT
 GTAGTTTTGCCTTTGGATGAAAGGCATTTGAGAAGACTTAAACCAATCATACAGGAATATTTTGGAGC
 ATGGAGATACTAATGAAGTTGCGGAAATGTTAAGAGATTTAAATCTTGGTAAAAGTGGAGTACC
 AGTGTGGCAGTATCCTTAGCATTGGAGGGGAAGGCTAGTCATAGAGAGATGACATCTAAGCTTCTTTCT
 GACCTTTGTGGGACAGTAATGAGCACAACCTGATGTGAAAAATCATTTGATAAAATGTTGAAAGATCTAC
 CTGAATTAGCACTGGATACTCCTAGAGCACCACAGTTGGTGGGCCAGTTTATTGCTAGAGCTGTTGGAGA
 TGGAAATTTATGTAATACCTATATTGATAGTTACAAAGGAACTGTAGATTGTGTGCAAGGCTAGAGCTGCT
 CTGGATAAGGCTACCGTGCTTCTGAGTATGTCTAAAGGTGAAAGCGTAAAGATAGTGTGTGGGGCTCTG
 GAGGTGGGACCAATCTGCAATCACCTTGTTAAAGAGATTGATATGCTGCTGAAAGAATATTTACTCTC
 TGGAGACATATCTGAAGCTGAACATTGCCTTAAAGAACTGGAAGTACCTCATTTTACCATGAGCTTGTA
 TATGAAGCTATTATAATGGTTTTAGAGTCAACTGGAGAAAAGTACATTTAAGATGATTTTGGATTTATTA
 AGTCCCTTTGGAAGTCTTCTACCATTACTGTAGACCAAATGAAAAGAGGTTATGAGAGAATTTACAATGA
 AATCCCGACATTAATCTGGATGTCACATTCATACTCTGTGCTGGAGCGGTTTGTAGAAGAATGTTTT
 CAGGCTGGAATAATTTCAAACAACCTCAGAGATCTTTGCTTCAAGGGGAGAAAAGCGTTTTGTAGCG
 AAGGAGATGGAGGTCGTCTTAAACCAGAGAGCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG232775 representing NM_001199492
 Red=Cloning site Green=Tags(s)

MDVENEQILNVNPAENAGTTEEIKNEINGNWISASSINEARINAKAKRRLRKNSSRDSGRGDSVSDSGSDA
 LRSLTVPTSPKGRLLDRRSRSGKGRGLPKKGGAGGKGVWGTGPGQVYDVEEVDVKDPNYDDQENCYVET
 VVLPLDERAFEKLTPIIQEYFEHGDNEVAEMLRDLNLGEMKSGVPVLAVSLALEGKASHREMTSKLLS
 DLCGTVMSTTDVEKSFDKLLKDLPELALDTPRAPQLVGQFIARAVGDGILCNTYIDSYKGTVDVCQARAA
 LDKATVLLSMSKGGKRKDSVWGSQVSNHLVKEIDMLLKEYLLSGDISEAHECLKELEVPHFHHHEL
 YEAIMVLESTGESTFKMILLDLKSLWKSSTITVDQMKRGIYNEIPDINLDVPHYSYVLERFVEECF
 QAGIISKQLRDLCP SRGRKRFVSEGGRLKPESY

TRTRPLE - GFP Tag - V

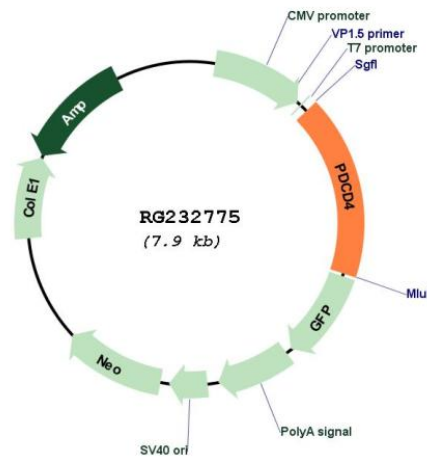
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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:	<u>NM_001199492.1, NP_001186421.1</u>
RefSeq Size:	3602 bp
RefSeq ORF:	1368 bp
Locus ID:	27250
Cytogenetics:	10q25.2
Protein Families:	Druggable Genome
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]