

Product datasheet for **RC231722**

PDCD6 (NM_001267557) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PDCD6 (NM_001267557) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PDCD6
Synonyms: ALG-2; ALG2; PEF1B
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231722 representing NM_001267557
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

**ATGGCCGCTACTTTACCGCCCCGGCCCTGGGGCCGGCCCTGGGCCTGCTGCAGGCGGGCGCTGCCGG
ACCAGAGCTTCTGTGGAACGTTTTCCAGAGGGTCGATAAAGACAGGAGTGGAGTGATATCAGACACCGA
GCTTCAGCAAGCTCTCTCAACGGCTACCGGCTCTCTGACCAGTCCACGACATCCTCATTCGAAAGTTT
GACAGGCAGGGACGGGGGAGATTGCCTTCGACGACTTCATCCAGGGCTGCATCGTCTGCAGAGGTTGA
CGGATATATTCAGACGTTACGACACGGATCAGGACGGCTGGATTAGGTGTCGTACGAACAGTACCTGTC
CATGGTCTTCAGTATCGTA**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RC231722 representing NM_001267557
Red=Cloning site Green=Tags(s)

MAAYSYPGPGAGPGPAAGAALPDQSFLWNVFQVRVDRSGVISDTELQQALSNGYRLSDQFHDILIRKF
DRQGRGQIAFDFFIQGCIVLQRLTDIFRRYDQDQGWIQVSYEQYLSMVFSIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	NM_001267557.1 , NP_001254486.1
RefSeq Size:	947 bp
RefSeq ORF:	372 bp
Locus ID:	10016
UniProt ID:	O75340
Cytogenetics:	5p15.33
Protein Families:	Druggable Genome
MW:	14.4 kDa
Gene Summary:	This gene encodes a calcium-binding protein belonging to the penta-EF-hand protein family. Calcium binding is important for homodimerization and for conformational changes required for binding to other protein partners. This gene product participates in T cell receptor-, Fas-, and glucocorticoid-induced programmed cell death. In mice deficient for this gene product, however, apoptosis was not blocked suggesting this gene product is functionally redundant. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is also located on the short arm of chromosome 5. [provided by RefSeq, May 2012]