

Product datasheet for RC202119

PDCD5 (NM_004708) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PDCD5 (NM_004708) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PDCD5
Synonyms: TFAR19
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202119 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACGAGGAGCTTGAGGCGCTGAGGAGACAGAGGCTGGCCGAGCTGCAGGCCAAACACGGGGATC
CTGGTGTGCGGCCAACAGGAAGCAAAGCACAGGGAAGCAGAAATGAGAAACAGTATCTTAGCCCAAGT
TCTGGATCAGTCGGCCCGGCCAGGTTAAGTAACCTAGCACTTGTAAAGCCTGAAAAAATAAGCAGTA
GAGAATTACCTTATACAGATGGCAAGATATGGACAACAAAGTGAAGGATCAGAACAAAGGTTTAAATAG
AAATCCTTAAAAAAGTAAGCCAACAACAGAAAAGACAACAACAGTGAATTCACAGAAGAAAAGTAAT
GGACTCTGATGAAGATGACGATTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202119 protein sequence
Red=Cloning site Green=Tags(s)
MADEEALRRQLAELQAKHGDPGDAQQEAKHREAEMRNSILAQVLDQSARARLSNLALVKPEKTKAV
ENYLIQMARYGQLSEKVSEQGLIEILKKVVSQQTEKTTTVKFNRRKVMDSDEDDDY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6309_f04.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_004708

ORF Size: 375 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_004708.4](#)

RefSeq Size: 604 bp

RefSeq ORF: 378 bp

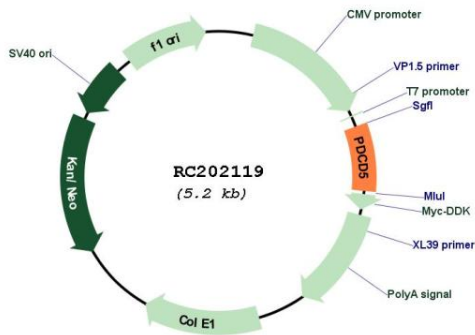
Locus ID: 9141

UniProt ID: [O14737](#)

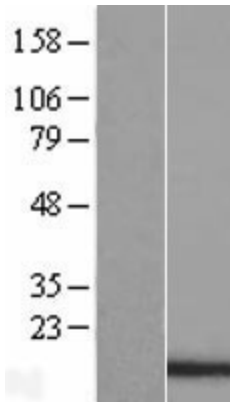
Cytogenetics: 19q13.11
Domains: dsDNA_bind
MW: 14.3 kDa

Gene Summary: This gene encodes a protein that is upregulated during apoptosis where it translocates rapidly from the cytoplasm to the nucleus. The encoded protein may be an important regulator of K(lysine) acetyltransferase 5 (a protein involved in transcription, DNA damage response and cell cycle control) by inhibiting its proteasome-dependent degradation. Pseudogenes have been identified on chromosomes 5 and 12 [provided by RefSeq, Dec 2010]

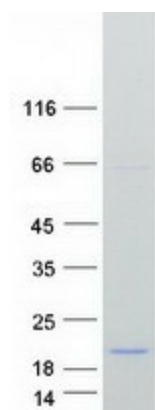
Product images:



Circular map for RC202119



Western blot validation of overexpression lysate (Cat# [LY417805]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202119 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PDCD5 protein (Cat# [TP302119]). The protein was produced from HEK293T cells transfected with PDCD5 cDNA clone (Cat# RC202119) using MegaTran 2.0 (Cat# [TT210002]).