

Product datasheet for **RC222542**

PDCD7 (NM_005707) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDCD7 (NM_005707) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PDCD7
Synonyms:	59K; ES18; HES18
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC222542 representing NM_005707
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTGCCACCAATTCTTCGGCCAGGGTCGCCAGGCCACCGCCCCGAGCCGCCCTCTCTGCTC
 CTTTCGGCTGTCCGCCACCGCCGCTGCCCTCCCGGGCTTTCCCGCCGCTCTCCCCAGCGGCCCGGCC
 TTTTCCGGGGCCTCCGCCCTTCTTTCAGCCTCCGCTGGCTCTGCAGCCCCGAGCCTCCGCGGAGGCC
 TCCCGCGCGGAGGCGCGCTGGCGCTTCTACCCGGTGCACACCACCGCCGCTGCCTCTCCGCCGCC
 AGTGTCCGCCCTTCCCGGGACCGACGCCGGGAGCGGCCCGCGCCACCGCCTCCCGGCCGGGGCCGCC
 CTGAGGCCCGGGTGGCCTGAGGCGCCGCCCGCGGCCGACGTCTCGGGGATCGCGCCCTCAAACGC
 CTGCGCGACCGGAGTGGCTGGAGGCGGTGTTCCGGACCCCGCGCGGGCAGGCTGTCCGGTCCCCAGC
 GCACGCATGCCGGGCCAGCCTTGGCGAAGTGCAGCGCGATTGCTCCGGGCTCTCGCCTGGTCCGGCG
 GCTGCGCGCCCTGAGCCAGGCCCTGCGCGAGGCCGAAGCCGACGCGCGGCTGGGTCTCTGTACTCC
 CAGACCGCGCCGCTGCGCGCGAACTGGCCGAGCGGCTACAGCCGTTGACCCAGGCTGCCTATGTGGGCG
 AGGCGCGGAGGAGGCTGGAGAGGGTCCGGCGCCCGGCTGCGGCTTCCGAGAGGGCCCGGAACGCGA
 GGCCGAGCGGGAGGAGAGGCCGCGCGGGCAGTGGAACGCGAGCAGGAGATTGACCGCTGGAGGGTGAAG
 TGTGTGCAGGAGTGGAGGAGAAGAAGCGGGAGCAGGAACCAAAGCAGCCGCTGATGGCGTACTATCTG
 AAGTGAGGAAAAACAAGCAGATACAAAAGAATGGTGGACATTTACGGGCTTTGGAGAAATTGAGGAA
 ACTGAGGAAAGAGGCTGCAGCGAGGAAAGGGTCTGTCTCCAGCCTCAGCAGATGAGACTTTTACGCAT
 CATCTTCAGCGACTGAGAAAACCTATTAAGCGCTCTGAAGTGTATGAAGTGAAGAGAGACCCCTCA
 GAGTTATGCTAGAAGGAGAACAAGAGGAAAGAGGAAAAGAGAATTAGAAAAGAAAAGAAAAGAAAA
 AGAGAAAATTTTACTTCAGAAACGTGAAATTGAGTCCAAGTTGTTGGGGATCCAGATGAGTCCCACTT
 GCTCACCTCTTGAGCCTTCCGACAGTATTATCTCAAGCCGAGCACTCCCTGCCAGCGCTCATCCAGA
 TCAGGCATGATTGGGATCAGTACCTGGTCCATCCGATCATCCCAAAGGCAACTTCGTTCCCAAGGATG
 GGTCTTCCCCGCTCCCCAGCAACGACATCTGGGCAACTGCTGTTAAGCTGCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222542 representing NM_005707
 Red=Cloning site Green=Tags(s)

MALPPFFGQGRPGPPPPQPPPPAPFGCPPPLPSPAFPPPLPQRPFPFGASAPFLQPPLALQPRASAEA
 SRGGGGAGAFYVPPPLPPPPQCRPFPDAGERPRPPPPGPPWSPRWPEAPPPADVLGDAALQR
 LRDRQWLEAVFGTPRRAGCPVQQRTHAGPSLGEVRARLLRALRLVRRLRGLSQALREAEADGAAWLLYS
 QTAPLRAELAERLQPLTQAAYVGEARRRLERVRRRLRLRERAREREAREAEARAVEREQEIDRWRVK
 CVQVEVEKKREQLKAAADGVLSEVRKKQADTKRMVDILRALEKLRKLRKEAAARKGVCPASADETFTH
 HLQRLRKLIKRSELYEAEERALRVMLEGEQEERKRELEKKQRKEKEKILLQKREIESKLFGDPDEFPL
 AHLLEPFRQYYLQAEHSLPALIQIRHDWDQYLVPSDHPKGNFVPQGWVLPPLPSNDIWATAVKLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8040_e01.zip

Restriction Sites:

Sgfl-Mlul

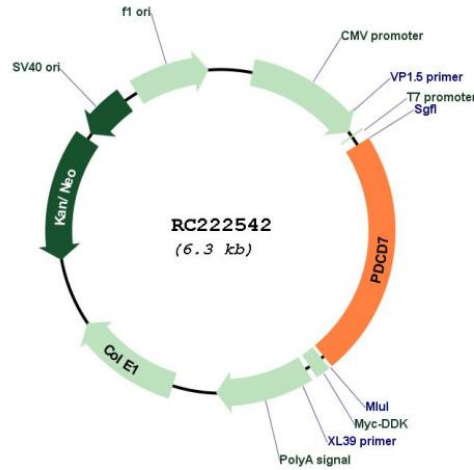
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_005707

ORF Size: 1455 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_005707.2](#)

RefSeq Size: 2866 bp

RefSeq ORF: 1458 bp

Locus ID: 10081

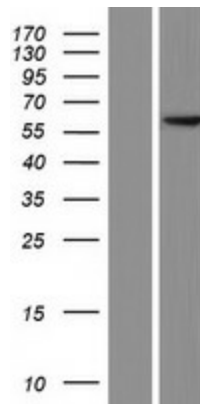
UniProt ID: [Q8N8D1](#)

Cytogenetics: 15q22.31

MW: 54.5 kDa

Gene Summary: This gene encodes a 59 kDa protein that is associated with the U11 small nuclear ribonucleoprotein (snRNP), which is a component of the minor U12-type spliceosome responsible for catalyzing pre-mRNA splicing of U12-type introns. [provided by RefSeq, Dec 2010]

Product images:



Western blot validation of overexpression lysate (Cat# [LY417125]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222542 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).