

Product datasheet for **MG214517**

Pdcd7 (NM_016688) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Pdcd7
Synonyms:	C80112; ES18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >MG214517 representing NM_016688
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTCTGCCACCTTTTTTCGCCAGAGCCGT CAGGGACCTCCCCCTCCGCAGCCACCGCCTTCGGCTC
 CATTCCGGCTGTCCGCCCCCGCGCTGCCCTCTCCGGCTTCCCGCCGCCCTTCCCCAGCGACCCGGCCC
 CTTCCCGGGGGTTCCGCCCTTCTCCAGCCTCCGTGGCCCTGCAGCCCCGCGCCAGCCGAGGCC
 TCCCGCGCGGTGGCGGTGGCGGGCCTTCTCCCGGTGCCACCCACCGCTGCCGCCCGCGCCGCCG
 AGTGCCGGCCCTTCCCGGGCCCGACGCGTCGAGCGTCCACGGCCACCGCCTCCAGGTCCCGGGCCGCC
 CTGGAGCCCGCGCTGGGCGGAGGCGCCGCCGCCGCCGACGTGCTCGGAGACGCGGCCCTGCAGCGCC
 CGTGATCGGAGTGGTGGAGGCGGTGTCGGAACCCCGCGCGCCGGTGGCTCCGGACCCCGCGCA
 CACCCGCCGGCCAGCCTGGGTGAAGTCCGCGCGGTTGCGTTCCGCTTTCGTTTGGTGGCGCGCT
 ACGCAGCTTGGGCGAGTCCCTGCGCGAGGCTGAGGCCGACGAGCAGCCTGGGCCTCCCTGCAGCTCAG
 GCGGCCCACTACGAGCGGAGCTAGCGGAGCGGCTGCAGCCCTGGCCAGGCCGCCTATGTGGGCGAGG
 CGCGACGGAGGCTGGAGAGGCTCCGGCGCCCGGCTGCGGCTTCGTGAGAGGGCCCGGATCGGGAGGC
 TGAGCGGGAGGCGGAGGCGCGCAGGCCACGGAACGGGAGCAGGAGATTGACCCTGGAGGGTGAAGTGC
 GTGCAGGAAGTGGAGAAAAGAAGCGGGAGCAGGAACCAAAGCAGCTGCTGATGGGTCTTAGCTGAAG
 TAAGGAAAAAGCAATCAGACACCAAAGGATGGTGGACATTCTGCGTGTAGAGAAAGTGAAGAACT
 GAGGAAAAGTGCAGCAAGGAAAGGGTCTGTCTCTGCTTACGGATGAGACTTTCGAGCACCAT
 CTTAGCGGCTGAGAAAGTCAATAAAAGCGCTCTGAACTGTATGAAGCTGAAGAGAGAGCCCTCCGAG
 TTATGTAGAAGGAGAGCAGGAGGAGGAGGAGACGAGAAGTGGAAAAGAAACAGAGAAAAGAGAAAGA
 GAAACTTCTACTACAGAAACGGGAAATTGAGTCCAAGTTATTCGGGGATCCAGATGAGTCCCACTTGCT
 CACCTCTGCAGCATTCCGGCAGTATTACCTCCAGGCTGAGCACTCTTCCCGCGCTCATTAGATAA
 GGCATGATTGGGATCAGTACCTGGTACCATCTGATCATCCGAAAGGCAACTCGGTTCCCAAGGATGGGT
 CCTTCTCCGCTCCCGACGACATCTGGGCAACGGCCATTAGCTGCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214517 representing NM_016688
 Red=Cloning site Green=Tags(s)

MALPPFFAQSRRQPPPPQPPPSAPFGCPPPLPSPAFPPPLPQRPGPFPGASAPFLQPPLALQPRAPAEA
 SRGGGGGAFFPVPPPLPPPPQCRPFPGPDAVERPRPPPGGPPWSPRWAEAPPPDVLGDAALQRL
 RDRQWLEAVFGNPRRPGGLRTPRTPAGPSLGEVRARLRSALRLVRRRLSLGQSLREAEADGAAWASLHAQ
 AAPLRAELAERLQPLAQAAVYGEARRRLERVRRRLRLRERARDREAEREAQAQTEREQEIDRWRVKC
 VQEVEEKKREQLKAAADGVLAEVRKQSDTKRMVDILRALEKLRKLRKEAAARKGVCPASADETFEHH
 LQRLRKL IKRSELYEAERALRVMLEGEQEERRRELEKKQRKEKELLLQKREIESKLFGDPDEFPLA
 HLLQPFRRQYYLQAEHSLPALIQIRHWDQYLVSDHPKGNVSPQGWVLPPLPSNDIWATAIQLH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_016688

ORF Size: 1452 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:

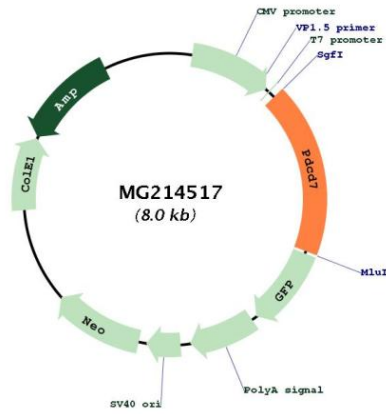
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_016688.2](#), [NP_057897.2](#)

RefSeq Size: 2471 bp
 RefSeq ORF: 1455 bp
 Locus ID: 50996
 Cytogenetics: 9 C

Product images:



Circular map for MG214517