

Product datasheet for **MC216276**

Pdcd4 (NM_001168492) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd4 (NM_001168492) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdcd4
Synonyms:	D19Ucla1; Ma3; Tis
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216276 representing NM_001168492
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATATAGAAAATGAGCAGACACTGAATGTGAACCCACTGACCCTGACAATTTAAGCGACTCTCTCT
 TTTCTGGAGATGAAGAAAATGCTGGCACTGAAGAAATAAAGAATGAAATAAATGGAAATTTGGATTTCCGC
 ATCTACTATTAATGAAGCTAGAATCAATGCAAAAAGCAAAAGACGACTGCGGAAAAATTCATCCCGGAC
 TCTGGCCGAGGAGACTCAGTCAGTGACAATGGAAGTGAAGCGGTTAGAAGTGGAGTTGCTGTGCCACCA
 GTCCAAAAGGAAGGTTGCTAGATAGGCGGTCCAGATCTGGGAAAGGAAGGGGGCTGCCAAAAGAAAGTGG
 TGCAGGCGCAAGGGTGTCTGGGCGACACCTGGACAGGTGTATGATGTGGAAGAGGTGGATGTGAAAGAT
 CCAAATATGATGACGACCAGGAGAACTGTGTTTATGAACTGTAGTTTTCCTTGGATGAGACCCGAT
 TTGAGAAGACTCTAACACCAATTATACAGGAATACTTTGAGCATGGAGATACAAATGAAGTTGCGGAGAT
 GTTAAGAGACTTAAACCTTGGGGAGATGAAGAGTGGCGTCCCGGTTGGCAGTGCCTTAGCCTTGGAG
 GGGAAAGCCAGCCACCGGAGATGACATCCAAGCTGCTTTCTGACCTTTCGCGGGACGGTGTGAGCACA
 ATGACGTGAAAAAGTCATTTGACAAGTTGCTGAAGGATCTCCCTGAGCTAGCCTTGGACACTCCTAGGGC
 ACCGCAGTTGGTGGGCCAGTTTATTGCTAGAGCTGTTGGAGATGGAATCTTATGTAATACCTATATCGAT
 AGTTACAAAGGAAGTGTAGATTGTACAGGCTCGAGCTGCTCTGGATAAGGCTACTGTGCTCCTGAGTA
 TGTCCAAAGGCGGGAAGCGGAAAGACAGTGTGTGGGATCTGGAGGCGGGCAACAGCCTGTCAATCACCT
 TGTTAAAGAGATTGATATGCTGCTTAAAGAGTATTTACTCTCTGGAGATATCTGAAGCTGAACACTGC
 CTAAGGAACTGGAAGTACCTCATTTTCACCACGAGCTGTATATGAAGCCATTGTAATGGTTTTAGAGT
 CAACTGGAGAAAAGTGCATTCAAGATGATCTTAGATTTATTAATAATCCTTGTGGAAGTCTTCTACTATTAC
 CATAGACCAAATGAAAAGAGGCTATGAGAGAATTTACAATGAAATCCCAGACATTAATCTGGATGTCCCA
 CACTCATACTCTGTTCTTGAGAGATTTGTGGAGGAATGTTTTAGGCTGGAATAATTTCCAAACACTCC
 GTGATCTTTGTCCATCAAGGGGAAGAAAGCGTTTTGTAAGTGAAGGAGATGGAGGCCGCTTAAACCTGA
 GAGCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001168492
- Insert Size:** 1410 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001168492.1 , NP_001161964.1
RefSeq Size:	1806 bp
RefSeq ORF:	1410 bp
Locus ID:	18569
UniProt ID:	Q61823
Cytogenetics:	19 48.73 cM
Gene Summary:	<p>Inhibits translation initiation and cap-dependent translation. May exert its function by hindering the interaction between EIF4A1 and EIF4G. Inhibits the helicase activity of EIF4A. Modulates the activation of JUN kinase. Down-regulates the expression of MAP4K1, thus inhibiting events important in driving invasion, namely, MAPK85 activation and consequent JUN-dependent transcription. May play a role in apoptosis. Tumor suppressor. Inhibits tumor promoter-induced neoplastic transformation. Binds RNA.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and 3' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>