

Product datasheet for **MC216277**

Pdcd4 (NM_011050) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd4 (NM_011050) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdcd4
Synonyms:	D19Ucla1; Ma3; Tis
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216277 representing NM_011050
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATATAGAAAATGAGCAGACACTGAATGTGAACCCACTGACCCTGACAATTTAAGCGACTCTCTCT
 TTTCTGGAGATGAAGAAAATGCTGGCACTGAAGAAATAAAGAATGAAATAAATGGAAATTTGGATTTCCGC
 ATCTACTATTAATGAAGCTAGAATCAATGCAAAAGCCAAAAGACGACTGCGGAAAAATTCATCCCGGGAC
 TCTGGCCGAGGAGACTCAGTCAGTGACAATGGAAGTGAAGCGGTTAGAAGTGGAGTTGCTGTGCCACCA
 GTCCAAAAGGAAGGTTGCTAGATAGGCGGTCCAGATCTGGGAAAGGAAGGGGGCTGCCAAAAGAAAGTGG
 TGCAGGCGCAAGGGTGTCTGGGCGACACCTGGACAGGTGTATGATGTGGAAGAGGTGGATGTGAAAGAT
 CCAAATATGATGACGACCAGGAGAACTGTGTTTATGAAACTGTAGTTTGGCCCTGGATGAGACCCGAT
 TTGAGAAGACTCTAACACCAATTATACAGGAATACTTTGAGCATGGAGATACAAATGAAGTTGCGGAGAT
 GTTAAGAGACTTAAACCTTGGGGAGATGAAGAGTGGCGTCCCGGTTGGCAGTGCCTTAGCCTTGGAG
 GGAAGGCCACGCCACCGGAGATGACATCCAAGCTGCTTTCTGACCTTTGCGGGACGGTGTGAGCACAA
 ATGACGTGAAAAAGTCAATTTGACAAGTTGCTGAAGGATCTCCCTGAGCTAGCCTTGGACACTCCTAGGGC
 ACCGCAGTTGGTGGGCCAGTTTATTGCTAGAGCTGTTGGAGATGGAATCTTATGTAATACCTATATCGAT
 AGTTACAAAGGAAGTGTAGATTGTGTACAGGCTCGAGCTGCTCTGGATAAGGCTACTGTGCTCCTGAGTA
 TGTCCAAAGGCGGGAAGCGGAAAGACAGTGTGTGGGATCTGGAGGCGGGCAACAGCCTGTCAATCACCT
 TGTTAAAGAGATTGATATGCTGCTTAAAGAGTATTTACTCTCTGGAGATATATCTGAAGCTGAACACTGC
 CTAAGGAAGTGAAGTACCTCATTTCACCACGAGCTGTATATGAAGCCATTGTAATGGTTTTAGAGT
 CAACTGGAGAAAAGTGCATTCAAGATGATCTTAGATTTATTAATAATCCTTGTGGAAGTCTTACTATTAC
 CATAGACCAAATGAAAAGAGGCTATGAGAGAATTTACAATGAAATCCAGACATTAATCTGGATGTCCCA
 CACTCATACTCTGTTCTTGAGAGATTTGTGGAGGAATGTTTTAGGCTGGAATAATTTCCAAACACTCC
 GTGATCTTTGTCCATCAAGGGGAAGAAAGCGTTTTGTAAGTGAAGGAGATGGAGGCCGCTTAAACCTGA
 GAGCTAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_011050

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.

RefSeq: [NM_011050.4](#), [NP_035180.2](#)

RefSeq Size: 2418 bp

RefSeq ORF: 1410 bp

Locus ID: 18569

UniProt ID: [Q61823](#)

Cytogenetics: 19 48.73 cM

Gene Summary: 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] Transcript Variant: This variant (1) represents the longest transcript. 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.