

## Product datasheet for **MC218097**

### **Pdcd4 (NM\_001168491) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pdcd4 (NM_001168491) 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:** >BC055739  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATATAGAAAATGAGCAGACACTGAATGTGAACCCCACTGACCCTGACAATTTAAGCGACTCTCTCT  
 TTTCTGGAGATGAAGAAAATGCTGGCACTGAAGAAATAAAGAATGAAATAAATGGAAATGGATTCCGC  
 ATCTACTATTAATGAAGCTAGAATCAATGCAAAAAGCAGCAAAAGACGACTGCGGAAAAATTCATCCCGGAC  
 TCTGGCCGAGGAGACTCAGTCAGTGACAATGGAAGTGAAGCGGTTAGAAGTGGAGTTGCTGTGCCACCA  
 GTCCAAAAGGAAGGTTGCTAGATAGGCGGTCCAGATCTGGGAAAGGAAGGGGGCTGCCAAAAGAAAGTGG  
 TGCAGGCGCAAGGGTGTCTGGGCGACACCTGGACAGGTGTATGATGTGGAAGAGGTGGATGTGAAAGAT  
 CCAAATATGATGACGACCAGGAGAACTGTGTTTATGAACTGTAGTTTGGCCCTGGATGAGACCCGAT  
 TTGAGAAGACTCTAACACCAATTATACAGGAATACTTTGAGCATGGAGATACAAATGAAGTTGCGGAGAT  
 GTTAAGAGACTTAAACCTTGGGGAGATGAAGAGTGGCGTCCCGTGTGGCAGTGCCTTAGCCTTGGAG  
 GGAAGGCCACGCCACCGGAGATGACATCCAAGCTGCTTTCTGACCTTTGCGGGACGGTGTGAGCACAA  
 ATGACGTGAAAAAGTCATTTGACAAGTTGCTGAAGGATCTCCCTGAGCTAGCCTTGGACACTCCTAGGGC  
 ACCGCAGTTGGTGGGCCAGTTTATTGCTAGAGCTGTTGGAGATGGAATCTTATGTAATACCTATATCGAT  
 AGTTACAAAGGAAGTGTAGATTGTGTACAGGCTCGAGCTGCTCTGGATAAGGCTACTGTGCTCCTGAGTA  
 TGTCCAAAGGCGGGAAGCGGAAAGACAGTGTGTGGGATCTGGAGGCGGGCAACAGCCTGTCAATCACCT  
 TGTTAAAGAGATTGATATGCTGCTTAAAGAGTATTTACTCTCTGGAGATATATCTGAAGCTGAACACTGC  
 CTAAGGAACTGGAAGTACCTCATTTCACCACGAGCTGTATATGAAGCCATTGTAATGGTTTTAGAGT  
 CAACTGGAGAAAAGTGCATTCAAGATGATCTTAGATTTATTAATAATCCTTGTGGAAGTCTTCTACTATTAC  
 CATAGACCAAATGAAAAGAGGCTATGAGAGAATTTACAATGAAATCCCAGACATTAATCTGGATGTCCCA  
 CACTCATACTCTGTTCTTGAGAGATTTGTGGAGGAATGTTTTAGGCTGGAATAATTTCCAAACACTCC  
 GTGATCTTTGTCCATCAAGGGGAAGAAAGCGTTTTGTAAGTGAAGGAGATGGAGGCCGCTTAAACCTGA  
 GAGCTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001168491  
**Insert Size:** 1410 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC055739</a></u> , <u><a href="#">AAH55739</a></u>
<b>RefSeq Size:</b>	1762 bp
<b>RefSeq ORF:</b>	1410 bp
<b>Locus ID:</b>	18569
<b>UniProt ID:</b>	<u><a href="#">Q61823</a></u>
<b>Cytogenetics:</b>	19 48.73 cM
<b>Gene Summary:</b>	<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 (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>