

Product datasheet for MC210166

Pdcd1lg2 (NM_021396) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd1lg2 (NM_021396) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdcd1lg2
Synonyms:	B7-DC; Btdc; F730015O22Rik; PD-L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210166 representing NM_021396 Red=Cloning site Blue=ORF

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCTGCTCCTGCTGCCGATACTGAACCTGAGCTTACAACTTCATCCTGTAGCAGCTTTATTCACCGTGA
 CAGCCCCTAAGAAGGTACACCGTAGACGTGGCAGCAGTGTGAGCCTGGAGTGCGATTTTGACCGCAG
 AGAATGCACTGAAGGGAAGAGCCAGTTGCAGAAGGTAGAAAATGATACGTCTCTGCAAAGT
 GAAAGAGCCACCCTGCTGGAGGAGCAGCTGCCCTGGGAAAGGCTTTGTTCCACATCCCTAGTGTCCAAG
 TGAGAGATTCCGGGCAGTACCGTTGCCTGGTCATCTGCGGGCCGCTGGGACTACAAGTACCTGACGGT
 GAAAGTCAAAGCTTCTTACATGAGGATAGACACTAGGATCCTGGAGGTTCCAGGTACAGGGGAGGTGCAG
 CTTACCTGCCAGGCTAGAGGTTATCCCCTAGCAGAAGTGTCTGGCAAAATGTCAGTGTTCTGCCAACA
 CCAGCCACATCAGGACCCCCGAAGGCCTCTACCAGGTCACCAAGTGTCTGCGCCTCAAGCCTCAGCCTAG
 CAGAACTTCAGCTGCATGTTCTGGAATGCTCACATGAAGGAGCTGACTTCAGCCATCATTGACCCCTCTG
 AGTCGGATGGAACCCAAAGTCCCAGAACGTGGCACTTCATGTTTTTCATCCCGCCTGCACCATCGCTT
 TGATCTTCCTGGCCATAGTGATAATCCAGAGAAAGAGGATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_021396
Insert Size:	744 bp


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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 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](#)

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: [BC104138](#), [AAI04139](#)

RefSeq Size: 1240 bp

RefSeq ORF: 744 bp

Locus ID: 58205

UniProt ID: [Q9WUL5](#)

Cytogenetics: 19 C1

Gene Summary: Involved in the costimulatory signal essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production.[UniProtKB/Swiss-Prot Function]