

Product datasheet for MR223973

Pdcd2l (NM_026549) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd2l (NM_026549) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdcd2l
Synonyms:	6030457N17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223973 representing NM_026549 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGGCCGTCAGGAAGCCTGTACTGCTGGGACTTCGAGACACGGCGGTGAAGGGCTGCCCAAAGGGC
CCTCCGCCTGGACCTCTAGCAAGCTGGGTGGCGTTCGGGACGCCCTGCCGGCCGTTACCACTCCGGGGCC
GCAGTGTGGCCGCTGCGCACAGCCGCTCACGCTCGTCGTCAGGTGTACTGCCCGCTGGACGGCTCCCCG
TTCCATCGGCTTCTGTACGTGTTTCGCTGTCTCGTCCAGGCTGCGGCAACAGCCAGACGCGCAGCTGGA
AGGTGTTCCGTTCCAGTGCCTGCAAGTGCCAGAGAAAGAGACTTGAACGCGCAGAATCAGAGCGATAG
CCTTGACGCTGAGAATTGGTGTGAAGGCTCACAAGACTGGGAAGTGACTGAGGAGACGCTCCACCA
CCCGCCTCAGATTTGGGAAGTACTCTAATGATGTCAGAGCACTAGACTGGACTGAGAAGCTCCAAGCTC
TTCGCCTTCAGGACACTGCCCTGGCTGTTACCTGCCCTTCTCCTCAGGGGAAGGGCTGACAGTCCCCAC
TGCAGTGCACAGTTCAGCCCTATTATCTGTGTTGCTGAAGAGGAGGATTATGGCAGCGTGTGGAT
CTTGATCATGCGCACAGCCTTCTGCAGGAGTACCAGCGGAGAGAAGGGGTGGACATGGAGCAGCTGCTTT
CCCTAGGCTCTAGTGACGGGATGAAAAGTACGAGAAGACCACAGTTAGCAGTGGGGATCCAACGTTTTA
TAGGTTTCATGAAGAGAATTGCTGCTTCCAGGAGCAGATTTTGAGGTATTCGTGGAGTGGAGGCCTCTC
TTTCTGCTCCTGCCACATTTGAAGTCTCTGAGTCCCAGCCTGCAGTGGCTGTGGAGGCCAGAGGACGT
TTGAGTTTCAGCTTATGCCAGCACTGGTCAGCATGCTCAGCAGTGCTAATCTAGGTCTTGCCGTGGAATT
TGAACGATTCTCGTTTACACATGTAACAGAGTTGCTGGCCTCAAATCAGCAGATGCCATGGAAGAA
TTCTGTGTTCTACAAGAAGACCCAGATGAATTTTTATTAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223973 representing NM_026549
Red=Cloning site Green=Tags(s)

MAAVRKPVLLGLRDTAVKGC PKGPSAWTSSKLG GVPDALPAVTT PGPQCGRCAQPLTLVVQVYCPLD GSP
 FHRLLYVFACARPGCGNSQTRSWKVFERSQCLQVPEKETWNAQNQSDSLAENWCEGSQDWGSDTEETPPP
 PASDLGSDSNDVRALDWTEKLQALRLQDTALAVTCPSPSGEGLTVPTAVPQFQPYVICVAEEEDYGSVVD
 LDHAHSLLEQYQRREGVDMEQLLSLGSSDGDEKYEKTTVSSGDPTFYRFMKRIAACQEILRYSWSGEPL
 FLSCPTEFVSEVPACSGCGGQRTFEFQLMPALVSM LSSANLGLAVEFGTILVYTCKQSCWPPNQMPMEE
 FCVLQEDPDEFLFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9077_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_026549

ORF Size: 1092 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.

RefSeq: [NM_026549.4](#)

RefSeq Size: 1283 bp

RefSeq ORF: 1095 bp

Locus ID: 68079

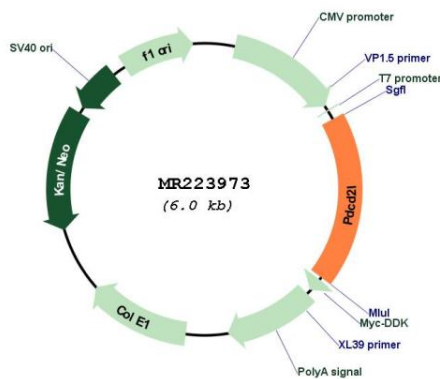
UniProt ID: [Q8C5N5](#)

Cytogenetics: 7 B1

MW: 40 kDa

Gene Summary: Over-expression suppresses AP1, CREB, NFAT, and NF-kB transcriptional activation, and delays cell cycle progression at S phase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223973