

Product datasheet for **SC118533**

PDCD2 (NM_002598) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	PDCD2
Synonyms:	RP8; ZMYND7
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002598, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCCGCCGGGGCCAGGCCTGTGGAGCTGGGCTTCGCCGAGTCGGCGCCGGCGTGCGCACTGCGCA
GCGAGCAGTTCCCAAGCAAGGTGGGCGGGCGCCGGCATGGCTGGGCGCGCCGGGCTGCCGGGGCCCCA
GGCCCTGGCCTGCGAGCTGTGCGGCCGCCGCTCTCCTTCCTGCTGCAGGTGTATGCGCCGCTGCCTGGC
CGCCCGGAGCGCTTCCACCGCTGCATCTTCTCTTCTGCTGCCGCGAGCAGCCGTGCTGTGCCGGCCTGC
GAGTTTTTAGGAATCAACTACCCAGGAAAAACGATTTTACTCATATGAGCCACCTTCTGAGAATCCTCC
CCCAGAAACAGGAGAATCAGTGTGTCTCCAGCTTAAGTCTGGTGCTCATCTCTGCAGGGTTTGTGGCTGT
TTAGGCCCCAAAACGTGCTCCAGATGCCACAAAGCATATTACTGCAGCAAGGAGCATCAGACCTAGACT
GGAGATTGGGACATAAGCAGGCTTGTGCACAACCAGATCATCTGGACCATATAATTCCAGACCACAATT
CCTTTTCCAGAATTTGAAATTGTAATAGAAACAGAAGATGAGATTATGCCTGAGGTTGTGGAAAAGGAA
GATTACTCAGAGATTATAGGGAGCATGGGTGAAGCACTTGAGGAAGAACTGGATTCCATGGCAAAACATG
AATCCAGGGAAGATAAAATTTTTCAGAAGTTTAACTCAGATAGCCCTTGAACCAGAACAGATTCTTAG
ATATGCGAGAGGTATTGCCCCATCTGGATTTCTGGTGAAAATATTCTCAAGAAAAGGATATTCCAGAT
TGCCCTGTGGTGCCAAGAGAATATTGGAATTCAGGTCATGCCTCAGCTCCTAACTACCTGAAGGCTG
ACAGACTGGCAAGAGCATTGACTGGGGCATCTGGCTGTCTTACCTGTGCTGAGAGCTGCAGCTTGGG
TACTGGCTATACAGAAGAATTTGTGTGGAAGCAGGATGTAACAGATACACCGTAA

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5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_002598 unedited
 NNNAACGTTCAAAATTTGTAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGG
 CCAGCTGTGGGCTGCGCCCCACGCCAGCCGCGCCCGCATGGCTGCCGCCGGGGCCAGG
 CCTGTGGAGCTGGGCTTGCCTGAGTCGGCGCCGGCGTGGCGACTGCGCAGCGAGCAAGTTC
 CCCAGCAAGGTGGGGCGGGCGGNCGNATGGTTGGGCGCGGCCGGGCTGNCGGGGCCCCA
 GGCCCTGGCCTGCGAGCTGTGCGGCCGCGCGCTCTCCTTCTGCTGCAGGTGTATGCGCC
 GCTGCTGGCCGCCGACGCTTCCACCGCTGCATCTTCTTCTGCTGCCGCGAGCA
 GCCGTGCTGTGCCGCGCTGCGAGGTGAGCCACCAACGGGTGCGGACGGGGTCATGCCT
 TCGACGCGTCTCGGTGTTAATTCGGGAGCGATCATTGGGACAGTTTTTAGCTCCGTTG
 TAGCCCCATTCTAGATCTGCCTCTTCTCACTGGCTCATGAACACTTTTTTCTGGCCCT
 TTCAAGATGAGCTTATTTTTGTTAAATAAACTATTAAGTGTGACTACCCGATTGTAAC
 CCCCATCTTTTAATTAATGGGTACCACTTATGGTGTTAATTCATAAATAGCAAACGCTTC
 GACATATGGTTCTAGTATATTTTTTATTTTATACCTTTTTTTTTATTTTTTTTTTA
 TTTTTTTTTTTTTTATTTTTTATTAGTTTCTATTTTCTTTTTCTTTTGAAGTTT
 TTTTCTGCTTTTTCTTTATTTTATTTATAAACTTTTTTATTTTTTTTTTTTTAT
 TTTTCTTTTTCTCTTTTATTAGTTCCTTTGTTGTTTTATTATT

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_002598 unedited
 GCCGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTAGGCATATAACCCATTTTTATTA
 TAAAAAGAAATGCACATATAAGTAAAAAGACCATTTTAGTTAGTCCACCATTCGTTGGT
 AACCAATTCACTAAGGTACATCTTTGCAGATTTCTGTGCATACATACAAATATTTTTAC
 AAGAATAGGATCATACCATGAATACCACCTATAATGGTATGTCTGTTGTCAATATAGGTG
 TTATAATTAAGACTGTGTAGCCTTCTCTGTGGATGTACCAAAATTTATTTAATTCCTG
 TCACTGGACACTTTTGTTCCTAATAAGTAGACACTGTGAAGCAATCCGTCAACATCT
 CTGCACCTCTATTTTTGGTATAAGTATTTCTTAGGATAAAATCCAGAAATGGAATTGC
 AAGGTATAAAAGATTATTAACATTTTTCAAGGCTTTAAGATGCCTTTACGGTGTATCTGT
 TACATCCTGCTTCCACAAATTTCTCTGTATAGCCAGTACCAAGCTGCGAGCTCTCAGC
 ACAGGTGAAGACAGCCAGGATGCCCCAGTCAATGCTCTTGCCAGTCTGTCAGCCTTCAG
 GTAGTTTAAAGAGCTGAGGCATGACCTGGAATCCAATATTCTCTTGGCACCACAGGGGCCA
 TTCTGGAATATCCTTTTCTTGAAGAATATTTTACCAGAAATCCAGATGGGGGCAATACC
 TCTGCCATATCTAAGATTCTGTTCTGGTTCAAAGGCTATCTGAGCTTTAAACTCTGAAA
 ATATTATCCTCCCTGGATTCTTGTGCTGCAATCCAGTTCTTCTTAATGGCTAAC
 CCATGCCNCCTATAATCCGGAGAAATTTCCCTTTTCAAACCCAGGATAAATCAACTT
 CTGTTTTTTTTCAAATTAATTTGAAAAAGGAATTGGGCGGGATTTTGGCCCAAATTT
 TGAATAAAAGGAGCCCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_002598

Insert Size:

2140 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:	<u>NM_002598.2</u> , <u>NP_002589.2</u>
RefSeq Size:	1311 bp
RefSeq ORF:	1035 bp
Locus ID:	5134
UniProt ID:	<u>Q16342</u>
Cytogenetics:	6q27
Domains:	zf-MYND, PDCD2_C
Gene Summary:	This gene encodes a nuclear protein expressed in a variety of tissues. Expression of this gene has been shown to be repressed by B-cell CLL/lymphoma 6 (BCL6), a transcriptional repressor required for lymph node germinal center development, suggesting that BCL6 regulates apoptosis by its effects on this protein. Alternative splicing results in multiple transcript variants and pseudogenes have been identified on chromosomes 9 and 12. [provided by RefSeq, Dec 2010] Transcript Variant: This variant (1) encodes the longest isoform (1).