

Product datasheet for **SC111794**

PDCD4 (NM_014456) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDCD4 (NM_014456) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDCD4
Synonyms:	H731
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC111794 sequence for NM_014456 edited (data generated by NextGen Sequencing)

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ATGGATGTAGAAAATGAGCAGATACTGAATGTAAACCCTGCAGATCCTGATAACTTAAGT
GACTCTCTCTTTTCCGGTGATGAAGAAAATGCTGGGACTGAGGAAGTAAAGAATGAAATA
AATGGAATTGGATTTTCAGCATCCTCCATTAACGAAGCTAGAATTAATGCCAAGGCAAAA
AGGCGACTAAGGAAAACTCATCCCGGGACTCTGCAGAGGCGATTCCGGTCAGCGACAGT
GGGAGTGACGCCCTTAGAAGTGGATTAAGTGTGCCAACCCAGTCCAAAGGGAAGTTGCTG
GATAGGCCGATCCAGATCTGGGAAAAGGAAGGGGACTACCAAAGAAAGGTGGTGCAGGAGGC
AAAGGTGTCTGGGTACACCTGGACAGGTGTATGATGTGGAGGAGGTGGATGTGAAAAGT
CCTAACTATGATGATGACCAGGAGAAGTGTGTTTATGAAACTGTAGTTTTGCCTTTGGAT
GAAAGGGCATTGAGAAGACTTTAACACCAATCATACAGGAATATTTTGAGCATGGAGAT
ACTAATGAAGTTGCGGAAATGTTAAGAGATTTAAATCTTGGTAAAAGTGGAGTA
CCAGTGTGGCAGTATCCTTAGCATTGGAGGGGAAGGCTAGTCATAGAGAGATGACATCT
AAGCTTCTTTCTGACCTTTGTGGGACAGTAATGAGCACAAGTGTGAAAAAATCATT
GATAAATTGTTGAAAGATCTACCTGAATTAGCACTGGATACTCCTAGAGCACCACAGTTG
GTGGGCCAGTTTATTGCTAGAGCTGTTGGAGATGGAATTTTATGTAATACCTATATTGAT
AGTTACAAGGAACTGTAGATTGTGTGCAGGCTAGAGCTGCTCTGGATAAGGCTACCGTG
CTTCTGAGTATGTCTAAAGGTGGAAAGCGTAAAGATAGTGTGTGGGGCTCTGGAGGTGGG
CAGCAATCTGTCAATCACCTTGTTAAAGAGATTGATATGCTGTGAAAGAATATTTACTC
TCTGGAGACATATCTGAAGCTGAACATTGCCTTAAGGAACTGGAAGTACCTCATTTCAC
CATGAGCTTGTATATGAAGCTATTATAATGGTTTTAGAGTCAACTGGAGAAAAGTACATTT
AAGATGATTTTGGATTTATTAAGTCCCTTTGGAAGTCTTCTACCATTACTGTAGACCAA
ATTGAAAAGAGTTATGAGAGAATTTACAATGAAATTCGGGACATTAATCTGGATGTCCCA
CATTTCATCTGTGCTGGAGCGTTTTGTAGAAGAATGTTTTTCAGGCTGGAATAATTTCC
AAACAAGTCAAGATCTTTGTCCTTCAAGGGGCAGAAAGCGTTTTGTAAGCGAAGGAGAT
GGAGGTCGCTTAAACCAGAGAGCTACTGA
    
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Clone variation with respect to NM_014456.4
106 a=>g

5' Read Nucleotide Sequence: >OriGene 5' read for NM_014456 unedited

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TTGATTTTGTAAACGACTCACTTATAGGGCGGCCGCAATTCGCACGAGGAGAGACTCT
CCGAGGCGGCGGCAGAGACAGAAGAGCGGGGTCGGGGCCGGCTGACCAGGAACCTGGGCG
AGCAGCGGCGGGGCCCCGAGGGATTCTGAAGGAAGATTTCCATTAGGTAATTTGTTTAA
CAGTGAAGCGAAATTAAGGGAAAATGGATGTAGAAAATGAGCAGATACTGAATGTAAC
CCTGCAGATCCTGATAACTTAAGTGACTCTCTCTTTTCCGGTGATGAAGAAAATGCTGGG
ACTGAGGAAGTAAAGAAATGAAATAAATGGAAATTGGATTTGAGCATCCTCCATTAACGAA
GCTAGAATTAATGCCAAGGCAAAAAGGCGACTAAGGAAAAACTCATCCCGGGACTCTGGC
AGAGGCGATTCCGGTCAGCGCAGTGGGAGTGACGCCCTTAGAAGTGGATTAAGTGTGCCA
ACCAGTCCAAAGGGAAGGTTGCTGGATAGGCGATCCAGATCTGGGAAAGGAGGGGACTA
CCAAAGAAAGGTGGTGCATGAGGCAAAGGTGTCTGGGGTACACCTGGACAGGTGTATGAT
GTGGAGGAGGTGGATGTGAAAGATCCTAACTATGATGATGACCAGGAGAAGTGTGTTTAT
GAAACTGTAGTTNTGCCCTTTGGATGAAAGGGCATTGAGAAGACTTTAACACCAATCATA
CAGGAATATTTGAGCATGGAGATACCTAATGAAGNTGCNAAAATGTTAANAGATTTAAA
TCTTGGTAAAATGAANAGTGGAGTACCAGTGTGGGCAGTATCCCTTANCATTGGAGGGG
AANNNGCTAGTCATAGAGAGATGACATCTAAAGCTCTTTTCTGACCTTTGTGGNNACAGT
ATGAGCACCAGTGTGGGAAAATCATTGATAAANTGTGGAAGGACTACCTGAATTAC
ACTGAACTCCTANACCCACAGTTGGTGGCCATTATGGCTANACTGGTGA
    
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3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014456 unedited GTACGCGCCGCAATCTACAGTCGAGTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAA AAATCAATACTGCTTCACATGTTTTATTTGGGGCACATTCTTCTAAAACCAGGTTTCATT TTTCCAGTTTTGTACAAAAATAGATGTTCCAGCCACCTTTTACTTAAGTCTACCTTT TAAAACCAATCATTATGTCCCCTGGAAAGATGAATAAGTCTCATGACTAATTTTTAAAA ATCTTTACGACAAAGAAATAACTTTCTTTTTTACTCCCAAAGCACAGGTTCTCAACAG CAGCAGCCAACATGGGGTTTTATAAGTTAACTTTACCCCTAAATAAAGCCTTTGTATA AACCCAGGATTTTACTACAAAAACACTGTCCTTGAAAGAAAGGAGTGGCACTCAGACAT CAATGCAAAACTTGAATGATTGATCATAAACATGGCACTTACAAAAGGTAGCTTATTA AAATATCCCACTTAAAAAGAGGCTACCTCTCTGGCCCTCCTTGGCCCTCGAAACCCAA CCAACCCACAAACATTTCTTTTAAAAATCCCCTTAAATGTGGCTTATAAAATGCAGAA ATGCCTTGCCCCAATACAACCTGCTTTAAAAAAAAAAAAAAAAACCCTGGGCCACACCCT TTTCCCTTCAAATTTCTATTTTCTATTACCACCCACAATCGGACGAGTTTCTATTCTC AACTCCTCTCTCGGTACACACAACCTCACTCCTCCTTATTACAAAATAGTTTTCTTC GCCCTTACAGGTACCAAATATTTCTGGACCGCTGGGGAAATATTCCACTCGCGAG AAATCTNTTTCCAACAACCCGTTCCACGCCAGAACAGTTCAATGTGGGCCCTTCAAC ATATTCTGGCCCCGATATTCTTTTGTTCATTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_014456
Insert Size:	2640 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:	<ol style="list-style-type: none"> 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:	<u>NM_014456.3</u> , <u>NP_055271.2</u>
RefSeq Size:	3591 bp
RefSeq ORF:	1410 bp
Locus ID:	27250
UniProt ID:	<u>Q53EL6</u>
Cytogenetics:	10q25.2
Domains:	MA3

Protein Families: Druggable Genome

Gene Summary: This gene is a tumor suppressor and encodes a protein that binds to the eukaryotic translation initiation factor 4A1 and inhibits its function by preventing RNA binding. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]
Transcript Variant: This variant (1) encodes the longest isoform (1).