

Product datasheet for **SC319754**

PDCD10 (NM_145860) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PDCD10 (NM_145860) Human Untagged Clone
Tag: Tag Free
Symbol: PDCD10
Synonyms: CCM3; TFAR15
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_145860.1
GGGGGATCCGGGAGTTGAAGAGGGCTGCAAGGTGGGAAGTGAAGTCAGTGCCTCAGTTGC
TGCTTTCTCCTCTAAATCTTGGTCTCTTGTGGAAAGTACTAACAGCATTGCGCATGA
GAAAGCCCTAAAAAGATCAGTGTGTTTTGTGTCCAATTCTTTATCACAAAAAGAG
AAGAAATATTGCAAGTGAATGAAGATTCCTCTGCATTTTAGCACTGCTTTTCAACTGTAG
TTGGCTTTTGAATGAGGATGACAATGGAAGAGATGAAGAATGAAGCTGAGACCACATCCA
TGGTTTCTATGCCCTCTATGCAGTCATGTATCCTGTGTTAATGAGCTAGAACGAGTAA
ATCTGTCTGCAGCCAGACACTGAGAGCCGCTTTCATCAAGGCTGAAAAAGAAAAATCCAG
GTCTCACACAAGACATCATTATGAAAAATTTAGAGAAAAAAGCGTGGAAGTTAACTTCA
CGGAGTCCCTTCTCGTATGGCAGCTGATGATGTAGAAGAGTATATGATTGAACGACCAG
AGCCAGAATCCAAGACCTAAACGAAAAGCAGCAGCACTTAAACAAATTCTCAGTAAGA
TCCCAGATGAGATCAATGACAGAGTGAGGTTTCTGCAGACAATCAAGGATATAGCTAGTG
CAATAAAAGAACTTCTTGATACAGTGAATAATGTCTTCAAGAAATATCAATACCAGAACC
GCAGGGCACTTGAACACCAAAAAGAAAGAAATTTGTAAGTACTCCAAAAGTTTCAGTGATA
CTCTGAAAACGTATTTAAAGATGGCAAGGCAATAAATGTGTTTCGTAAGTGCCAACCGAC
TAATTCATCAAACCACTTAATACTTCAGACCTTCAAACCTGTGGCCTGAAAGTTGTATA
TGTTAAGAGATGTAATCTCAGTGGCAGTATTGAACTGCCTTTATCTGTAATTTTAAAG
TTTATTGCCATCTTACACCATATTTTGTAAAATGTAGCTTAATCATAATCTCACACTGAA
GATTTTGCATCACTTTTGTCTATTATCATTCTTTTAAAGAATTATAAGCCAAAAGAATTTAC
GCCTTAATGTGTCATTATATAACATTCCTTAAAAGAATTGTAAATATTGGTGTGTTTCT
TGACATTTTAACTTGAAGCGATATGCTGCAAGATAATGTATTTAAACAATATTGGTGGC
AAATATTCAATAAATAGTTTACATCTGTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_145860



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_145860.1</u> , <u>NP_665859.1</u>
RefSeq Size:	1212 bp
RefSeq ORF:	639 bp
Locus ID:	11235
UniProt ID:	<u>Q9BUL8</u>
Cytogenetics:	3q26.1
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes an evolutionarily conserved protein associated with cell apoptosis. The protein interacts with the serine/threonine protein kinase MST4 to modulate the extracellular signal-regulated kinase (ERK) pathway. It also interacts with and is phosphorylated by serine/threonine kinase 25, and is thought to function in a signaling pathway essential for vascular development. Mutations in this gene are one cause of cerebral cavernous malformations, which are vascular malformations that cause seizures and cerebral hemorrhages. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same isoform.</p>