

Product datasheet for **SC124860**

PDCD10 (NM_145859) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDCD10 (NM_145859) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDCD10
Synonyms:	CCM3; TFAR15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124860 sequence for NM_145859 edited (data generated by NextGen Sequencing)

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ATGAGGATGACAATGGAAGAGATGAAGAATGAAGCTGAGACCACATCCATGGTTTCTATG
CCCCTCTATGCAGTCATGTATCCTGTGTTAATGAGCTAGAACGAGTAAATCTGTCTGCA
GCCCAGACACTGAGAGCCGCTTTCATCAAGGCTGAAAAAGAAAATCCAGGTCTCACACAA
GACATCATTATGAAAATTTAGAGAAAAAAGCGTGGAAGTAACTTCACGGAGTCCCTT
CTTCGTATGGCAGCTGATGATGTAGAAGAGTATATGATTGAACGACCAGAGCCAGAATTC
CAAGACCTAAACGAAAAGGCACGAGCACTTAAACAAATCTCAGTAAGATCCCAGATGAG
ATCAATGACAGAGTGAGGTTTCTGCAGACAATCAAGGATATAGCTAGTGAATAAAAGAA
CTTCTTGATACAGTGAATAATGTCTTCAAGAAATATCAATACCAGAACCGCAGGGCACTT
GAACACCAAAGAAAGAATTTGTAAGTACTCCAAAAGTTTCAGTGATACTCTGAAAACG
TATTTTAAAGATGGCAAGCAATAAATGTGTTTCGTAAGTGCCAACCGACTAATTCATCAA
ACCAACTTAATACTTCAGACCTTCAAACTGTGGCCTGA
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Clone variation with respect to NM_145859.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145859 unedited TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAGTTGAAGAGGGC TGCAAGGTGGGAAGTGAAGTCAGTGCCTCAGTTGCTGATCAGTGTGTTTTTTGTGTCCAA TTCTTTTATCACCAAAAAAGAGAAGAAATATTGCAGTGAATGAAGATTCCTCTGCATTTT AGCACTGCTTTTTCAACTGTAGTTGGCTTTTGAATGAGGATGACAATGGAAGAGATGAAG AATGAAGCTGAGACCACATCCATGGTTTCTATGCCCTCTATGCAGTCATGTATCCTGTG TTAATGAGCTAGAACGAGTAAATCTGTCTGCAGCCAGACACTGAGAGCCGCTTTCATC AAGGCTGAAAAAGAAAATCCAGGTCTCACACAAGACATCATTATGAAAATTTTAGAGAAA AAAAGCGTGGAAGTTAACTTCACGGAGTCCCTTCTTCGTATGGCAGCTGATGATGTAGAA GAGTATATGATTGAACGACCAGAGCCAGAATTCGAAGACCTAAACGAAAAGGCACGAGCA CTTAAACAAATTCTCAGTAAGATCCCAGATGAGATCAATGACAGAGTGAGGTTTCTGCAG ACAATCAAGGATATAGCTAGTGAATAAAAGAACTTCTTGATACAGTGAATAATGTCTTC AAGAATATCAATACCAGACCGCAGGNCACCTTGAACACCAANAGAAAGAATNNTGTAAGTA CTCCAAAAGTTTTCAGTGATACTCTGAAAACGTATTTTAAAGATGGGCAGGGCATANNATG TGTCGTAAGTGCCAACCGACTAATNCATCANNACCACTTANTACTTCAGACCTTCAAAC GNTGCCTGAAAGTGTTATGTTAAGAGATGACTCTCAGTGCAGTATTGACTGCCTTATCTG TAANTNTAAGNTTGACTGATAANTATCAGTCTNCTGAGGNATCTATNCAGNATGTGATG GGATATTGCATCTACACATATTTGTAAAGTAGCTATCTATCTCACGAGATTGCTACT
Restriction Sites:	NotI-NotI
ACCN:	NM_145859
Insert Size:	1550 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:	NM_145859.1 , NP_665858.1
RefSeq Size:	1313 bp
RefSeq ORF:	639 bp
Locus ID:	11235
UniProt ID:	Q9BUL8
Cytogenetics:	3q26.1
Protein Families:	Druggable Genome

Gene Summary:

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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same isoform.