

Product datasheet for **SC335026**

PTCD2 (NM_001284403) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTCD2 (NM_001284403) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTCD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284403, the custom clone sequence may differ by one or more nucleotides

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ATGGTCCGAGACAGTATGGCTGCTGCATTCGGCCCTCGAATCGAGTTCTCCTGCAGGCGCTGCAGATTT
TGGTGTATCCTGGGGTGGGAGGCTCCGGCTCTGTGAGCTGCCCTCTCGGAGCTAAAAGATACCT
ACTTACAGATAATGTGGTGAAATTTAAAAGAATTTCAACAAAAGAAAGTGGCTGTTGCATGTAATCTTTCT
GGCACTAAAGGTGCTTTGCAAGTATTGATAGAGATGAAAACCAAGATGTGAAGTTCACCAAGATACCT
ATGTTCTTGCTTTTGCAATTTGCTACAACTGAATAGCCCTGAGTCTTTCAAATCTGTACTACATTAAG
AGAAGAAGCTCTACTCAAAGGAGAAATTTCTCCAGGAGAGCATCCTGTTTCGCTGTGGCATTAGCTCTG
AATCAGAATGAGATGGCAAAGCTGTGCCATTTTTCTCAAATCATGAATCCAGAAAGCATAGCCTGCA
TTAATTTAAATATTATAATCCATATCCAGTCAAATATGTTGAAAACCTGATAAAGACTCTAAAAAATGC
TGCAGAAGGAAATTTATCAAATTTGTGAAAAGACATGTGTTCTCGGAGGAAGTGTGGCCAAAGTGAGG
GAAAAAGTGAAGGATGTGCCTGCCCTTGTGGCCAAATTTGATGAGATCTATGGGACACTGCACATCACTG
GCCAGGTCACCACTGATTCTTTGGATGCTGTGCTCTGCCACACCCCGAGGACAGGAAATCTCACACGTT
GCTATTAACAAGAGGATGGTCAGCCGTCGCACCTCCAGCCACTCAGCCAGTCCCTGTTGGCTGAGTAA

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001284403
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.

RefSeq: [NM_001284403.1](#), [NP_001271332.1](#)

RefSeq Size: 1801 bp

RefSeq ORF: 840 bp

Locus ID: 79810

UniProt ID: [Q8WV60](#)

Cytogenetics: 5q13.2

Gene Summary: Involved in mitochondrial RNA maturation and mitochondrial respiratory chain function.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks 3 consecutive exons compared to variant 1, however, it maintains the reading frame and encodes a shorter isoform (2) missing an internal protein segment compared to isoform 1.