

## Product datasheet for **SC334386**

### PTCD2 (NM\_001284405) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PTCD2 (NM_001284405) 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_001284405, the custom clone sequence may differ by one or more nucleotides

```
ATGAAAAACCAAGATGTGAAGTTCACCAAAGATACCTATGTTCTTGCTTTTGCAATTTGCTACAACTGA  
ATAGCCCTGAGTCTTTCAAATCTGTAACATTAAGAGAAGAAGCTCTACTCAAAGGAGAAATTCTCTC  
CAGGAGAGCATCCTGTTTCGCTGTGGCATTAGCTCTGAATCAGAATGAGATGGCAAAAGCTGTGCCATT  
TTTTCTCAAATCATGAATCCAGAAAGCATAGCCTGCATTAATTTAAATATTATAATCCATATCCAGTCAA  
ATATGTTGGAAAACCTGATAAAGACTCTAAAAATGCTGCAGAAGGAAATTTATCAAATTTGTGAAAAG  
ACATGTGTTCTCGGAGGAAGTCTGGCCAAAGTGAAGGATGTGCCTGCCCTTGTGGCC  
AAATTTGATGAGATCTATGGGACTGCACATCACTGGCCAGTCACTGATTCTTTGGATGCTGTGC  
TCTGCCACACCCCGAGGACAGGAAATCTCACAGTTGCTATTAACAAGAGGATGGTCAGCCGTCGCAC  
CTCCAGCCACTCAGCCAGTCCCTGTTGGCTGAGTAA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001284405
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).



[View online »](#)

**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\\_001284405.1](#), [NP\\_001271334.1](#)

**RefSeq Size:** 2049 bp

**RefSeq ORF:** 597 bp

**Locus ID:** 79810

**Cytogenetics:** 5q13.2

**Gene Summary:** Involved in mitochondrial RNA maturation and mitochondrial respiratory chain function.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (4) lacks an exon in the mid-coding region and initiates translation from an in-frame downstream start codon compared to variant 1. The resulting isoform (4) has a shorter N-terminus compared to isoform 1.