

Product datasheet for **SC334536**

PTCD2 (NM_001284404) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTCD2 (NM_001284404) 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_001284404, the custom clone sequence may differ by one or more nucleotides

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ATGTGGAAGCTGGCTAAAAATGTCATTTACAGGTGCTTTGCAAGTATTGATAGAGATGAAAAACCAAGATG  
TGAAGTTCACCAAAGATACCTATGTTCTTGCTTTTGCAATTTGCTACAACTGAATAGCCCTGAGTCTTT  
CAAAATCTGTACTACATTAAGAGAAGAAGCTCTACTCAAAGGAGAAATTCTCCAGGAGAGCATCCTGT  
TTCGCTGTGGCATTAGCTCTGAATCAGAATGAGATGGCAAAGCTGTGTCCATTTTTCTCAAATCATGA  
ATCCAGAAAGCATAGCCTGCATTAATTTAAATATTATAATCCATATCCAGTCAAATATGTTGAAAAACCT  
GATAAAGACTCTAAAAATGCTGCAGAAGGAAATTTATCAAATTTGTGAAAAGACATGTGTTCTCGGAG  
GAAGTGCTGGCCAAAGTGAGGGAAAAAGTGAAGGATGTGCTGCCCTTGTGGCCAAATTTGATGAGATCT  
ATGGGACACTGCACATCACTGGCCAGGTCACTGATTCTTTGGATGCTGTGCTCTGCCACACCCCCAG  
GGACAGGAAATCTCACACGTTGCTATTAACAAGAGGATGGTCAGCCGTCGCACCTTCCAGCCACTCAGC  
CAGTCCCTGTTGGCTGAGTAA
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_001284404
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).



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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_001284404.1](#), [NP_001271333.1](#)

RefSeq Size: 1931 bp

RefSeq ORF: 651 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 (3) lacks 2 consecutive exons, which results in a frame-shift and translation initiation from an alternative start codon compared to variant 1. The resulting shorter isoform (3) has a distinct N-terminus compared to isoform 1.