

Product datasheet for **RC236492**

PTCD2 (NM_001284405) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PTCD2 (NM_001284405) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PTCD2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236492 representing NM_001284405
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAAACCAAGATGTGAAGTTCACCAAAGATACCTATGTTCTTGCTTTTGCAATTTGCTACAACTGA
ATAGCCCTGAGTCTTTCAAATCTGTACTACATTAAGAGAAGAAGCTCTACTCAAAGGAGAAATCTCTC
CAGGAGAGCATCCTGTTTCGCTGTGGCATTAGCTCTGAATCAGAATGAGATGGCAAAGCTGTGCCATT
TTTTCTCAAATCATGAATCCAGAAAGCATAGCCTGCATTAATTTAAATATTATAATCCATATCCAGTCAA
ATATGTTGGAAAACCTGATAAAGACTCTAAAAAATGCTGCAGAAGGAAATTTATCAAATTTGTGAAAAG
ACATGTGTTCTCGGAGGAAGTGCTGGCCAAAGTGAAGGATGTGCTGCGCTGCGCTTGTGGCC
AAATTTGATGAGATCTATGGGACTGCACATCACTGGCCAGGTCACCACTGATTCTTTGGATGTGTGC
TCTGCCACACCCCAGGGACAGGAAATCTCACACGTTGCTATTAACAAGAGGATGGTCAGCCGTCGCAC
CTTCCAGCCACTCAGCCAGTCCCTGTTGGCTGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236492 representing NM_001284405
Red=Cloning site Green=Tags(s)

MKNQDVKFTKDYVLAFAICYKLNSPESFKICTTLREEALLKGEILSRRASCFVALALNQEMAKAVSI
FSQIMNPESIACINLNIIHIQSNMLENLIKTLKNAAEGLSKFVKRHVFSEEVLAKVREKVKDVPALVA
KFDEIYGLHITGQVTTDSLDAVLCHTPRDRKSHLLLLNKRMVSRRTFQPLSQSLLAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Restriction Sites: Sgfl-MluI

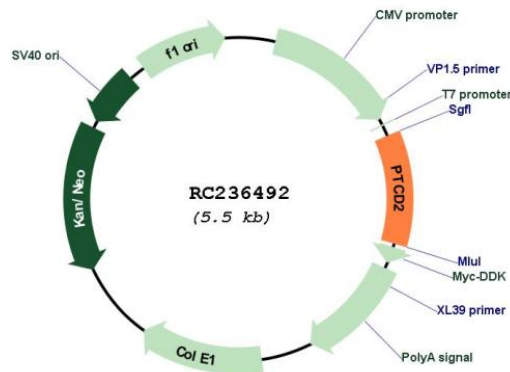


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284405

ORF Size: 594 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001284405.1, NP_001271334.1</u>
RefSeq Size:	2049 bp
RefSeq ORF:	597 bp
Locus ID:	79810
Cytogenetics:	5q13.2
MW:	22.8 kDa
Gene Summary:	Involved in mitochondrial RNA maturation and mitochondrial respiratory chain function. [UniProtKB/Swiss-Prot Function]