

Product datasheet for **RN211523**

Ptcd1 (NM_001109665) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptcd1 (NM_001109665) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptcd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211523 representing NM_001109665
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGAGATCTGCC
 GCCGCGATCGCC

ATGGACCTCCTAAGACTCTCCGGCTCTTTCTGGCCCCACCCCATAGGACTGTCTGTCTTCAACGCG
TGGATCTTCTCCGATCTACCAATGGACAGGAGGCAGGGAGGGACCTGCATGGCTGAGGGCTGCCTCCTG
CAGTTCTTCTCCACCAGAAGAGAATGAGCAGCCTCTGCTCTGACTCCAGTACTCCTGTGGCGCCTCAG
GAGGAGGAAGAAGAAGAGAGCTTTGGGACCCTCTCTGAGAAATTCTCTCCGGAGAATATTCCACAAAT
CAACAGCCCAGCTCTATAACCTGAAACTCAAGGAGCAAGGTGTTGAGGAGGAAGAACTGGAGCCCAGACT
ACGGCAGGGCGGGAGGAACACTCCATACTGGTACTTCTTCAGTGCAAACGTCTGCTCAAGGAAGGAAAG
CTTGAGAGGGCCTGGATCTGTTTGAGAGGCAGATGCTGAAGGAAGAGCGTTTGAGCCTCTGGAGTGCA
ACTACACGGTGCTGATCGGGGGCTGCGGGCGTGTGCGGTACCTGAAAAAGGCCTTCAGGCTCTTCAATGA
TATGAAGAAGAGAGACCTGGAGCCCTCAGATGCCACATACACAGCCCTGTTCAATGTCTGTGCGGAGTCG
CCCTGGAAGGACTCTGCCCTCGAGATGCACTGAAGCTCCGACAGCAGCTCCAGGCCCAAACTCCACG
TCAACCTGAAGACATATCACGCCCTGCTGAAGGTGGCAGCAAGTGTGCAGACTCAGGGTGTGCTCTGGA
AGCTTTCAAGGTGTGGCGGCAGATGCTGAGTCTGGGGATCAAAACCAAGTAGGCATAGGCTACAACCTCTG
CTGGGGGCAGCTCGAGACTGTGGTCTGGGGGACCCAGAGGTTGCCTCCAGGCTGCTCCTGACGTCCACAG
AAGAGACCATCTGCTCCAGCCCCAACAGGCAGGCGTCTGGCAGGAGGGAAGTCCAGGCCAAGACAAG
GCATGGTGTGTGAGTCAAACATGTGGAAGCACTCGAGAGGCAGCTGTTTCTGGAACCTTCTCACAACCTC
GAGGGGCCACCAGCCTTTCTGAGGCCAGGGAACAAGCAGGACCCAGCCTGAGGTAGAAACCAAGGCAG
AACCTGGCCACATGGGAGCCCTCGCCCCACTGGCCCTGAAGCCTCCGACTTGGAGCTGCAAGTCAATCT
CCTAAGTCTTGGGGCTCTGTCTCTGCTGTGGTCTCCTTTGGGACAGTGGCCACACCTGCTGATAGGCTG
GCTTTGATGGGGGGCCTGGAAGGCTTCTTGGGCAAGATGCGAGAGCACAGGCTCCAGCCAGACATCAAAA
CCCTTACTCTGCTGGCTGAGGTGGTGAACCGGGGAGCCCCGCAGAGTCTCTCACTGCTGTCCATCTTGGA
CAGGCATAGGGTGGAGGCTGACATAACCTTCTTCAACACACTGATAAGGAAGAAGAGCAAGCTGGGAGAC
CTGGAGGGAGCCAAGGCACTGTTGCCAATTCTGGCAAAGAAGGGAATTGTCCCCAATCTGCGGACTTTCT
GCAATCTGGCCATTGGGTGCCATCGACCCAGGGATGGTATGCAGCTGCTTGAGACATGAAGAAGTCCCA
GGTGACCCCGAACCCACATCTACAGCACCCTTATCAACGCAGCCCTCAAGAAGCTGGACTACACCTAC
CTCATCAGCATCTGAAGGACATGAGACAGCAAGCGTCCCGTGAACGAAGTGTCATCCGCGAGCTGG
AGTTTGACGCCCACTAGCTCCCACTTTGACAGGTACAAAGAAAAAACCTACTTGGAGAAGATTGA
TGGCTTTTGGGCTTATTACAAGCAGTGGCTGAAAGTGATGCCAGCAGAGGAGCCCCCAGCCCTGGCAG
GAGTTCGGGACAAGCCTGTCCGGAACCAAGTCATCACTGAGAATGCTGGAGGCCTCAGGGATGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001109665
Insert Size:	1959 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001109665.1](#), [NP_001103135.1](#)

RefSeq Size: 2981 bp

RefSeq ORF: 1959 bp

Locus ID: 304278

Cytogenetics: 12p11

Gene Summary: Mitochondrial protein implicated in negative regulation of leucine tRNA levels, as well as negative regulation of mitochondria-encoded proteins and COX activity. Affects also the 3'-processing of mitochondrial tRNAs.[UniProtKB/Swiss-Prot Function]