

Product datasheet for **MC220555**

Ptcd1 (NM_133735) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptcd1 (NM_133735) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptcd1
Synonyms:	1110069M14Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220555 representing NM_133735
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCTCCTAAGACTCTCCCGCTCTTTCCGGTCCCGCCCCATAGGACTGTCTGTCTTCAACACC
 TGGATCTTGTGGATCAACCCGATGGACAGGAGGCAGGGAGGACCTGCACGGCTGAGAGCTGCCTTCTG
 CGGCTCCTCCTCCCGCTGCCCTGGGCAGCGGAACAGAAAGAAATGAGCAGCCTCTGCTCTGACTCC
 AGTAAGCTCAGCACTGTGGCTCCCGAGGAGGCAGAGGAAGAGAGCTTCGGGAGCCTCTCTGGCAAAT
 TCTCTCCCGGAGGATATCCACAAGTCAACGGCCAGCTCTACAACCTGCAGCTCAAGGAACAGGGTGG
 TGAGGAGGAAGAACTGGAGCCAGACCGTGGCGGGGCCGAGGAACACTCAGTACTGGTACTTCTTTCAG
 TGCAAACGTCTGATCAAGGAAGAAAGCTTGCAGAGGCCCTGGATCTGTTTGGAGGCAGATGCTGAAGG
 AAGAGCGCTTGCAGCCTCTGGAGTGAACACTACACGGTCTGATTGGGGGCTGCGGGCGCTCGGGTACCT
 GAAGAAGCTTTAGACTCTTCAATGATATGAAGAAGAGAGACCTGGAGCCCTCGGATGCCACATACACA
 GCTCTGTTCAATGCTGTGCGGAGTCCCCCTGGAAGACTCTGCCCTGCAGAGTGCCTGAAGCTCCGAC
 AGCAGCTCCAGGCCAGAACTTCCAGCTCAACCTGAAAACGTATCATGCCTGCTGAAGGTGGCCGCCAA
 GTGTGCAGACCTCAGGCTGTGCCTGGATGTCTTCAAGAAATCATCCAAAGGGGGCATGCAGTACAGAG
 GAGACCTTCTGTTTTCTGCTTGTGGGCTGCATCCAGGACAAGAAGACAGGCTTCCGGCAAGCCATGCAGG
 TGTGGCGGCAGATGCTGAGTCTGGGGATCAAACCAAGTAGGCATGGCTACAACCTCTGTTGGAGGCAGC
 TCGAGACTGTGGTCTGGGGGACCCAGAGGTTGCCTCCAGGCTGCTCTGACGTCCAGGAAGAGACCATC
 TTGCTCCCACCCCAAGGGCAGGCATATGGCAGGGAGAAAGTCCAGGCCAAGACAGTGCATGGTGTGT
 CACTCAGACATGTGGAAGCACTGGAGAGGCAGCTGTTTTCTGGAACCTTCTCAGAACTCGAGGGCCACC
 AGCCCTTCTGAGGCCAGGGTAACAAGCAGGACCCAGCCTGAGGTGGAACCACGGCAGAACCTGGCCAC
 ACAGTAGCCCTCACCCCACTGGCCTCGAAACCTACCCACTTGGAGCTGGAAGTCAGTCTCCTAAGTCTTG
 GAACTCTCTCCCGCTGTGGTCTCATTGGGACAGTGGCCACACCTGCTGATAGGCTGGCGTTGATGGG
 GGGCCTGGAAGGCTTCTGGCAAGATGACCGAACACGGGCTCCAGCCAGACATCAAACCCCTACTCTG
 CTGGCTGAGGTGGTGGAGCCTGGGAGCACTGCAGAATCCTCGTCTTCCGCTCTGGACAGGCATAGGG
 TGGAGGCCGACGTAACCTTCTTCAACACGCTGATAAGGAAAAAGAGCAAACCTGGGAGACCTGGAGGGAGC
 CAAGGCACTGTTGCCAATCCTGGCAAAGAAGGGAATTGTCCCAATCTTCGGACTTCTGCAATCTGGCC
 ATTGTTGCCATCGGCCAGGGATGGTATGCAGCTGCTTGCAGACATGAAGAAGTCCAGGTGAGCCCTA
 ACATCCACATCTACAGCACCTTATCAACGCAGCCCTCAAGAAGTTGGACTACACCTATCTCATCAGCAT
 CCTGAAGGACATGAGGCAGAACAGCGTCCCAAGTAAACGAGGTGGTCTGCCAGCTGGAGTTTGCAGCC
 GAGTACCCTCCACCTTTGACCGGTACAAGGAAAAAACCTACTTGGAGAAGATTGATGGCTTTCGGG
 CTTATTACAAGCAGTGGTTGAAAGCCATGCCAGCAGAGGAAGCCCCCACCCTGGCAGGAGTCCAGAA
 CAAGCCTGTTGGGGACCAAGACACCCTGACAAGGCTGGCGGCCCTTAGGGACGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133735

Insert Size: 2088 bp

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:	<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:	NM_133735.2 , NP_598496.3
RefSeq Size:	3219 bp
RefSeq ORF:	2088 bp
Locus ID:	71799
UniProt ID:	Q8C2E4
Cytogenetics:	5 G2
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]