

## Product datasheet for **SC113866**

### PTCD3 (NM\_017952) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PTCD3 (NM_017952) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTCD3
Synonyms:	MRP-S39
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_017952, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGTTGTATCTGCTGTTTCGCTGGCTGGCCTCCGCAGCAGGCTTGGCCAGCCGCTGACGGGTGCGC
GGGCGGTTTGTGTGAACAGGCACGCAGCTGCAGATTTTATTCTGGTAGTGCAACCCTCTCAAAGTTGA
AGGAACTGATGTAACAGGGATTGAAGAAGTAGTAATCCAAAAAGAAAACCTGGGATAAAGTAGCCGTT
CTTCAGGCACTTGCATCCACAGTAAACAGGGATACCACAGCTGTGCCTTATGTGTTTCAAGATGATCCTT
ACCTTATGCCAGCATCATCTTTGGAATCTCGTTTCACTTTTACTGGCAAAGAAATCCGGGGAGAATGTGGC
CAAGTTTATTATTAATTCATACCCCAAATATTTTCAGAAGGACATAGCTGAACCTCATATACCGTGTTTA
ATGCCTGAGTACTTTGAACCTCAGATCAAAGACATAAGTGAAGCCGCCCTGAAGGAACGAATTGAGCTCA
GAAAAGTCAAAGCCTCTGTGGACATGTTTGATCAGCTTTTGAAGCAGGAACCACTGTGTCTCTTGAAC
AACAAATAGTCTCTTGGATTTATTGTGTTACTATGGTGACCAGGAGCCCTCAACTGATTACCATTTTCAA
CAAAGTGGACAGTCAGAAGCATTGGAAGAGGAAAATGATGAGACATCTAGGAGGAAAGCTGGTCATCAGT
TTGGAGTTACATGGCGAGCAAAAAACAACGCTGAGAGAATCTTTTCTCTAATGCCAGAGAAAAATGAACA
TTCTTATGCACAATGATCCGAGGAATGGTGAAGCACCGAGCTTATGAGCAGGCATTAAACTTGTACACT
GAGTTACTAAACAACAGACTCCATGCTGATGTATACACATTTAATGCATTGATTGAAGCAACAGTATGTG
CGATAAATGAGAAATTTGAGGAAAAATGGAGTAAATACTGGAGCTGCTAAGACACATGGTTGCACAGAA
GGTGAAACCAATCTTCAGACTTTAATACCATTCTGAAATGTCTCCGAAGATTTTATGTTTGAAGA
TCGCCAGCCTTACAGGTTTTACGTGAAATGAAAGCCATTGGAATAGAACCCTCGTTGCAACATACACC
ATATTATTCGCCTGTTTGTATCAACCTGGAGACCCTTTAAAGAGATCATCCTTCATCATTTATGATAAAT
GAATGAATTAATGGGAAAGAGATTTTCTCAAAGGACCCGGATGATGATAAGTTTTTTCAGTCAGCCATG
AGCATATGCTCATCTCTCAGAGATCTAGAACTTGCCTACCAAGTACATGGCCTTTTAAAAACCGGAGACA
ACTGGAATTCATTGGACCTGATCAACATCGTAATTTCTATTATTCCAAGTTCTTCGATTTGATTTGTCT
AATGGAACAAATTGATGTTACCTTGAAGTGGTATGAGGACCTGATACCTTCAGCCTACTTTCCCACTCC
CAAACAATGATACATCTTCTCCAAGCATTGGATGTGGCCAATCGGCTAGAAGTATTCTAAAATTTGGA
AAGATAGTAAAGAATATGGTCATACTTTCCGCAGTGACCTGAGAGAAGAGATCCTGATGCTCATGGCAAG
GGACAAGCACCCACCAGAGCTTCAGGTGGCATTGCTGACTGTGCTGCTGATATCAAATCTGCGTATGAA
AGCCAACCCATCAGACAGACTGCTCAGGATTGGCCAGCCACCTCTCTCAACTGTATAGCTATCCTTTTT
TAAGGGCTGGGAGAACTCAGGAAGCCTGAAAAATGTTGGGGCTTTTTCAGGAAGCATAATAAGATTCCTAG
AAGTGAGTTGCTGAATGAGCTTATGGACAGTGCAAAAGTGTCTAACAGCCCTTCCAGGCCATTGAAGTA
GTAGAGCTGGCAAGTGCCTTCAGCTTACCTATTTGTGAGGGCCTCACCCAGAGAGTAATGAGTGATTTG
CAATCAACCAGGAACAAAAGGAAGCCCTAAGTAATCTAACTGCATTGACCAGTGACAGTGATACTGACAG
CAGCAGTGACAGCGACAGTGACACCAGTGAAGGCAAATGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_017952 unedited  GGTTCAGGATTTGTAAACGATCACTATAGGCGGCCGGAATTCGCACGAGGGATGATCCT  TACCTTATGCCAGCATCATCTTTGGAATCTCGTTCATTTTTACTGGCAAAGAAATCCGGG  GAGAATGTGGCCAAGTTTATTATTAATTCATACCCAAATATTTTCAGAAGGACATAGCT  GAACCTCATATACCGTGTAAATGCCTGAGTACTTTGAACCTCAGATCAAAGACATAAGT  GAAGCCGCCCTGAAGGAACGAATTGAGCTCAGAAAAGTCAAAGCCTCTGTGGACATGTTT  GATCAGCTTTTGAAGCAGGAACCACTGTGTCTTTGAAACAACAAATAGTCTCTTGGAT  TTATTGTGTTACTATGGTGACCAGGACCCTCAACTGATTACCATTTTCAACAAACTGGA  CAGTCAGAAGCATTGGAAGAGGAAAATGATGAGACATCTAGGAGGAAAGCTGGTCATCAG  TTTGGAGTTACATGGCGAGCAAAAAACAACGCTGAGAGAATCTTTTCTCTAATGCCAGAG  AAAAATGAACATTCCTATTGCACAATGATCCGAGGAATGGTGAAGCACCGAGCTTATGAG  CAGGCATTAAACTTGTACTACTGAGTTACTAAACAACAGACTCCATGCTGATGTATACACA  TTTAAATGCATTGATTGAAGCAACAGTATGTGCGATAAATGAGACATTTGAGGAAAAATGG  AGTAAAAACTGGAGCTGCTAAGACACATGTTTGCACAGAAGGTGAAACCAAATCTTCAG  ACTTTTAAATACCATTCTGAAATGTCTCCGAAGATTCATGTGTTTGAAGATCGCCAGCCT  TACAGTTTTACGTGAAATGAAGCCATTGCAATAGTGAGGATGCGCCCTTGAGTTCTTTGA  GGG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_017952 unedited  GACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAAGTTAGAAAATAT  GGCAGCGGCTATATTAACAAAAATACAAACGTGTACACTAATTACAACATTTATCTACAG  TCATTTTACCAGTTGTGCAGCCTAAACTGCCATTATCTTGTTTAGTCATTCCTAAGATGC  GTATTTCTGACATCGAAATATCCTGAAATTGGGAAACTATTGACCCAACCCCAACTGTG  TTAGAAGTGCATGAACACCTAAGATGAAGGACCAGCATCACAGCAGCACATCAGGCCAAC  AAAGGCAGAAGTCCAGCAGCAGGAGAGGGCAATCGCACGAGGACAGCATCGTGAGGTCAG  CTCACCGACACTTAGGTGTGCAGGCTTATCCTGATGACAAGAGCCATGGACCTCACCAT  GTGTCTGAAAACCGCAATGTTGCTACTTAAATGCTAAGCCTTTAATGGTGCATTAATAGA  TGGTTAAGTAGCATATTAGCAGCTTAAATCTACATAAGTCAGCTGTGACTGACTGTACC  TCAACAGTAACAAATTCACCAAATCTGTATCTTTTCTTTTGAACAACGTTAAATATTG  GTATATCTCAGTTCTCAGGTGTGATTCGCGCACCTATGGTGAGACCATTGCTGCTCCTG  ATCTCCCATTTTTATTTGCCTTACTGGTGTCACTGTGCTGGCACTGCTGCTGTCAGTATC  ACTGTCACCTGGTCAATGCACGTAATACTTAGGCCTCCCTTTTGTTCCTGGCTGATTG  GCACAATCCCTCATTACTTTTTTGGTCGAGGCGCCTCCCAAATAGGGAAGCCTGACGGG  CCCTTGCCTCTTCTTATCATTTAAATGGGCTCTGGGAAAGGGCTGGTATAACACCTTTG  GCAGTGTCCATTAGCTTTTTCTAAAACTCACTTGT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_017952
<b>Insert Size:</b>	3090 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_017952.3](#), [NP\\_060422.3](#)

**RefSeq Size:** 6752 bp

**RefSeq ORF:** 1650 bp

**Locus ID:** 55037

**UniProt ID:** [Q96EY7](#)

**Cytogenetics:** 2p11.2

**Domains:** PPR

**Gene Summary:** Mitochondrial RNA-binding protein that has a role in mitochondrial translation.  
[UniProtKB/Swiss-Prot Function]