

Product datasheet for **RG204119**

PTCD3 (NM_017952) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTCD3 (NM_017952) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PTCD3
Synonyms:	MRP-S39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG204119 representing NM_017952
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCGGTGTATCTGCTGTTTCGCTGGCTGGGCTCCGCAGCAGGCTTGGCCAGCCGCTGACGGGTGGC
GGGCGGGTTTGTGTGAACAGGCACGCAGCTGCAGATTTTATTCTGGTAGTGCAACCCTCTCAAAGGTTGA
AGGAACTGATGTAAACAGGGATTGAAGAAGTAGTAATTCAAAAAGAAAACCTGGGATAAAGTAGCCGTT
CTTCAGGCACTTGCATCCACAGTAAACAGGGATACACAGCTGTGCCTTATGTGTTTCAAGATGATCCTT
ACCTTATGCCAGCATCATCTTTGGAATCTCGTTCACTTTTACTGGCAAAGAAATCCGGGAGAAATGTGGC
CAAGTTTATTATTAATTCATACCCCAAATATTTTCAGAAGGACATAGCTGAACCTCATATACCGTGTTTA
ATGCCTGAGTACTTTGAACCTCAGATCAAAGACATAAGTGAAGCCGCCCTGAAGGAACGAATTGAGCTCA
GAAAAGTCAAAGCCTCTGTGGACATGTTTGATCAGCTTTTGAAGCAGGAACCACTGTGTCTCTTGAAC
AACAAATAGTCTCTTGGATTTATTGTGTTACTATGGTGACCAGGAGCCCTCAACTGATTACCATTTTCAA
CAAAGTGGACAGTCAGAAAGCATTGGAAGAGGAAAATGATGAGACATCTAGGAGGAAAGCTGGTCATCAGT
TTGGAGTTACATGGCGAGCAAAAAACAACGCTGAGAGAATCTTTTCTCTAATGCCAGAGAAAAATGAACA
TTCCTATTGCACAATGATCCGAGGAATGGTGAAGCACCGAGCTTATGAGCAGGCATTAAACTTGTACACT
GAGTTACTAAACAACAGACTCCATGCTGATGTATACACATTTAATGCATTGATTGAAGCAACAGTATGTG
CGATAAATGAGAAATTTGAGGAAAAATGGAGTAAATACTGGAGCTGCTAAGACACATGGTTGCACAGAA
GGTGAAACCAATCTTCAGACTTTTAATACCATTCTGAAATGTCTCCGAAGATTTTATGTGTTTGAAGA
TCGCCAGCCTTACAGGTTTTACGTGAAATGAAAGCCATTGGAATAGAACCCTCGCTTGAACATATCACC
ATATTATTCGCTGTTTGTATCAACCTGGAGACCCTTTAAAGAGATCATCCTTCATCATTTATGATATAAT
GAATGAATTAATGGGAAAGAGATTTTCTCAAAGGACCCGGATGATGATAAGTTTTTTCAGTCAGCCATG
AGCATATGCTCATCTCTCAGAGATCTAGAATTGCCTACCAAGTACATGGCCTTTTAAAAACCGGAGACA
ACTGGAATTCATTGGACCTGATCAACATCGTAATTTCTATTATTCCAAGTTCTTCGATTGATTGTCT
AATGGAACAAATTGATGTTACCTTGAAGTGGTATGAGGACCTGATACCTCAGCCTACTTTCCCACTCC
CAAACAATGATACATCTTCTCAAGCATTGGATGTGGCCAATCGGCTAGAAGTATTCTTAAATTTGGA
AAGATAGTAAAGAATATGGTCATACTTTCCGCAGTGACCTGAGAGAAGAGATCCTGATGCTCATGGCAAG
GGACAAGCACCCACCAGAGCTTCAGGTGGCATTGCTGACTGTGCTGCTGATATCAAATCTGCGTATGAA
AGCCAACCATCAGACAGACTGCTCAGGATTGGCCAGCCACCTCTCTCAACTGTATAGCTATCCTCTTTT
TAAGGGCTGGGAGAACTCAGGAAGCCTGGAATGTTGGGGCTTTTCAGGAAGCATAATAAGATTCTAG
AAGTGAGTTGCTGAATGAGCTTATGGACAGTGCAAAAGTGTCTAACAGCCCTTCCAGGCCATTGAAGTA
GTAGAGCTGGCAAGTGCCTTCAGCTTACCTATTTGTGAGGGCCTCACCCAGAGAGTAATGAGTGATTTTG
CAATCAACCAGGAACAAAGGAAGCCCTAAGTAATCTAACTGCATTGACCAGTGACAGTGATACTGACAG
CAGCAGTGACAGCGACAGTGACACCACTGAAGGCAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG204119 representing NM_017952
 Red=Cloning site Green=Tags(s)

MAVVSAVRWLGLRSRLGQPLTGRRAGLCEQARSCRFYSGSATLSKVEGTDVTGIEEVVIPKKKTWDKVAV
 LQALASTVNRDITAVPYVFQDDPYLMPASSLESRSFLLAKKSGENAVKFIINSYPKYFQKDIAEPHIPCL
 MPEYFEPQIKDISEAALKERIELRKVKASVDMFDQLLQAGTTVSLETTNSLLDLLCYGQDEPSTDYHFQ
 QTGQSEALEEENDETSRRKAGHQFGVTWRAKNAERIFSLMPEKNEHSYCTMIRGMVVKHRAVEQALNLYT
 ELLNNRLHADVYTFNALIEATVCAINEKFEEKWSKILELLRHMVAQKVKNLQTFNTILKCLRRFHVFA
 SPALQVLRMKAIGIEPSLATYHHIIRLFDQPGDPLKRSSFIIYDIMNELMGKRFSPKDPDDDKFFQSAM
 SICSSLRDLELAYQVHGLLKTGDNWKFIPDQHRNFYYSKFFDLICLMEQIDVTLKWYEDLIPSAYFPHS
 QTMIHLLQALDVANRLEVIPKIWKDSKEYGHTFRSDLREEILMLMARDKHPPQLQVAFADCAADIKSAYE
 SQPIRQTAQDWPATSLNCIAILFLRAGRTQEAWKMLGLFRKHNKIPRSELLNELMDSAKVSNPSQAIEV
 VELASAFSLPICEGLTQRVMSDFAINQEKEALSNLTALTSDDSDSDSDSDTSEGK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_017952

ORF Size: 2067 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017952.6](#)

RefSeq Size: 6708 bp

RefSeq ORF: 2070 bp

Locus ID: 55037

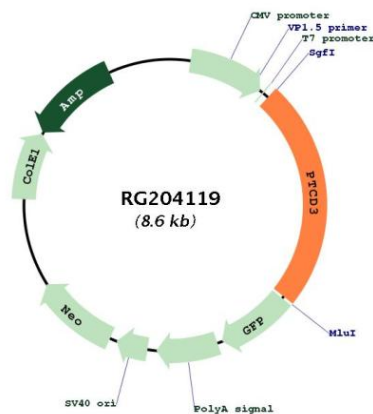
UniProt ID: [Q96EY7](#)

Cytogenetics: 2p11.2

Domains: PPR

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

Product images:



Circular map for RG204119