

Product datasheet for **MG205959**

Ptcd2 (NM_026873) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptcd2 (NM_026873) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ptcd2
Synonyms:	1190005P08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205959 representing NM_026873 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACGGTGTTCGGCCCTGGAACGCCTGAGGGTGCCGCTCCTTCGCTGCATCCCGGGTGACGG
GCTCAGGCTCCGCTGCTGCCGCTGCCTCGGAGCTAAAAGATACCTACTCACAGATAACATTGTGAA
GTTAAAGGAATTTCAACATAAGAAGATAGCTATTGCATATAACCTACCTGGCACCAAGAATCTATTT
AGAACTTGGAAGAGAAGTTGACCCAGAACAACTCATCTGAAGGAAGAGTTGAAAACGCTGCTGTACC
TGTGCCAGTCCCTGGAAGATGTGCAGCTGGCGAAAGCCGTCATTTATAGGTACCATGCAGAAAACAAGAA
TTTCACTTTGGGGAATACAAGTTCCGACCAAGTTTCATGAGGCTGTGCTACGAGCTGGACTGGAGGAC
TCTGCAGTGGAGCTCGTCAGAGACAAGCATCTACAAGGCTTCTTCTAGATTCAACGTCATTCAATATT
TGATGGATATGTTATTTACCAAAGGCAAAATATGAACGTGCACTTCAAGTGTGATCGAAATGAAAAACCA
AGATGTGAGGTTCCAGCAAAGAACTACATCCTCGCTTTTGAATCTGCTACAACTGAATACCCTGGAA
TCGCTTAAATCTGTACTACGTTAAGAGAAGAAGCCCTAATTAAGGGAGACATTATCTGCAGGAGAGCAT
ACTGTTTTGTAGTGGCATTAGCTCTGAATAAGAACCAGTTGAAAAACGCTGTGTCCATTTTTCTCAAT
CGTGAATCCAGAAAGCATAGTGTGATTAACCTAAATATCTTGATCCACATCCAGTCAAATATGTTGGAA
AGCCTGTTAAAGATCTTAGAGGACTCTCTGACACAAATTTATCGAAATTTGTAAGAAGACACACATTCT
CAGAGGAAGTGTGGCCAAAGTGAGGGAAAACTGAAGGACAGCCCTGCACTCATAGCCAGATTCGATGA
GGTCTATGGGAAGCTGCACGTGAACGGTCAAATCACCGTTCATTCTTTGGATGCTCTGCTCTGCCACGTC
CCCCGGGACAAGAGATCCAACCTGTTGCTGTTAAAGAAGAGGGCAGTCAGCCACCGGACCTTACAGCCTC
TCAGCCGGTCCCTGCTGACCGAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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 Red=Cloning site Green=Tags(s)

MATVFRPLERLRVPRPSLHPGVTGSGSACCRCTLGAKRYLLTDNIVKLKEFQHKKIAIAYNLPGTKEIYF
 RNLEEKLTQNKILKEELKTL LYLQSQLEDVQLAKAVIYRYHAENKNFTLGEYKFGPVFMRLCYELDLED
 SAVELVRDKHLQGFFLDSTSFNILMDMLFTKGK YERALQVLIEMKNQDVRFSKETYILAFICYKLNLTLE
 SLKICTTLREELIKGDIICRRAYCFVVALALNKNQ LKNAVSIFSQIVNPESIVCINLNLIHIQSNMLE
 SLLKILEDSDLTNLSKFVRRHTFSEEVLAKVREKLK DSPAL IARFDEVYGKLHVNGQITVHSLDALLCHV
 PRDKRSNLLLLKKRAVSHRTLQPLSRSLLTE

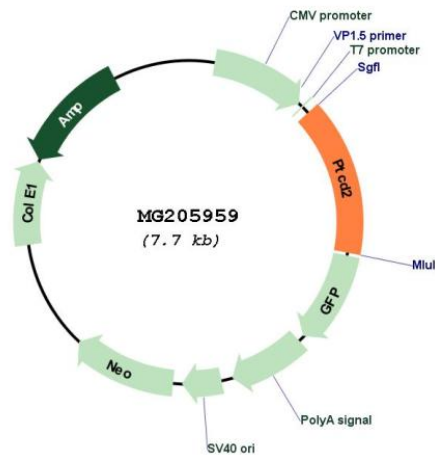
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026873

ORF Size:	1143 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:	NM_026873.1
RefSeq Size:	1675 bp
RefSeq ORF:	1146 bp
Locus ID:	68927
UniProt ID:	Q8R3K3
Cytogenetics:	13 D1
Gene Summary:	Involved in mitochondrial RNA maturation and mitochondrial respiratory chain function. [UniProtKB/Swiss-Prot Function]