

## Product datasheet for **MG211110**

### **Pcdha1 (BC082326) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcdha1 (BC082326) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcdha1
Synonyms:	CNR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG211110 representing BC082326  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGTTTTCCAGGCTCCGAGGCTGAGAGCCGGCGCCTGCTCTTGTCTCGTTCTGTTTTCTGCAG  
 CCTGGGAGGCAGGGAGCGCCAGATTCACTACTGTCCAGAGGAAGCCAAACACGGCACCTTTGTGGG  
 CCGCATCGCGCAGGACCTGGGGCTGGAGCTGACGGAGCTGGTGCCTCCGCTATTACAGGGTGGCGTCCAAG  
 GATCGCGGGGACCTTCTGGAGGTAATCTGCAGAAATGGCATTGTGTTGTGAATTCTCGGATCGACCGGG  
 AGGAGCTGTGCGGGCGGAGCGGGAGTGTAGCATCCACCTGGAGGTGATCGTGGACAGGCCGCTGCAGGT  
 TTTCCACGTGGAGGTGAAGGTTAAAGATTAATGATAACCCACCAGTTTTCAAAGGCGCAGAGCAAAGG  
 ATATTTATTCCTGAAAACAGACAAGTACGATTACCGTTTCCACTAGAGGGCGCCGTGGACGCAGACATTG  
 GTGCCAATTCCTTTAACTTACACGCTGAGCCCCACTGATTACTTTCTTTAAAGGTAGAGACAACAGA  
 CGAACTCAGTAAATCCCTTCGCTTGAAGTGAAGAAATCTTTGGATAGAGAAGAAACACCAGAATTCAG  
 TTATTACTGACAGCCACCGACGGGGCAAGCCAGAGCTGGAGGGGACAGTTCGGCTGCAGATTACTGTGC  
 TCGATGTTAATGACAACGCCCTGTTGACCAAGCCATCTACAGAGCACAGTTAGTAGAATCTACAGT  
 GAATGGGACATTAGTGACGACGTTAAATGCCACTGACGCTGATGAAGGTGTTAATGGTGAAGTTGTGTTT  
 TCCTTTGGCAATGACGTTTCTCTTGACATTCAAGAAAAATCAATGTGGATTCTCTTTCCAGGAGAAATTA  
 GAGTGATCGGTGATCTAGATTATGAAAAACAAAATCCTATGAAATCAAATAAAGGCAGTTGATAAAGG  
 GACTCCCTCCATGTCAAATCACTGCAAGGTTTTGGTGAAGTACTGGATATAAATGATAATGCTCCAGAG  
 CTGTCGATCACATCCTTGTCTTTGCCATCAAAGAGGATACTCCACTAACACTATCATCGCACTCATCA  
 AGGTGTCGACATCGACTCAGGTGTCAACGGGAGGTGACTGCTCCCTAACTCCATGTCCTTTCAA  
 GTTGGTGTCCACCTTCAAGAATTAATTCGCTTGTGCTGGACAGCACCTGGACCGAGAGACCACAGCG  
 GACTATAAGGTGGTGGTACAGCCCGCAGCGGGGCTCGCCCTGCTGTGGGCCACGGCCAGCGTGTCTG  
 TGGAGGTGGTGAAGTGAACGACAATGCTCCAGTGTTCGCGCAGCCGAATACACTGTGTTCTGTAAGGA  
 GAACAACCCGCTGGTGCACATCTTACGGTGTGACGATGGACGCGGATGCGCAGGAGAATGCGCTG  
 GTGTCTACTCGTGGTGGAGCGGAGGGTGGGCGAGCGCTTGTGTGAGCTATGTGTCTGTGCACGCGG  
 AGAGCGCAAGGTGTTGCGCTGCAGCCTTGGACCATGAGGAGCTGGAGCTGCTGCAGTCCAGGTGAG  
 CGCGCGGATGCTGGTGTGCTGCCCTGGCAGCAATGTGACTCTGCAGGTGTTGTGCTGGACGAGAAT  
 GACAATCCACCCACTGCTGGGCCTCACGCAGGCAGCGCAGTGAAGCAACTGGTGTACGGACAATGG  
 GTGAGGGCATGTGGTGAAGGTGCGCGCGGTGGACGCGGACTCTGGCTACAATGCGTGGCTGTCCTA  
 TGAACAACCTCCTACAGGTGGTGCAGCAACCCGTTTCGCGTGGGTCTGTACTGTTGAGATTAGC  
 ACCACAGCTCCTTAGATGAGGTGATGTTCCACGACAGCGTCTCTTGGTGTGGTGAAGGACCATGGAG  
 AGCCAATGCTGACTGCTACCGTACCGTGTGGTATCTCTGGTGGAAAGCAGTCCGATTAGAAAGCCTC  
 TTTGCCTGATTAACCGGTGAGTGGTTCAGGATCGCTGGTGGATGTAACGTGTACCTGATCATC  
 GCCATCTGTGCCGTGTCAGCCTGTTAGTGTCACTTTGCTTCTGTACACAGCGCTGCGTGTCCGCGA  
 CACCACTGATGGAGCCTGTGGTCCGGGAAGCCATGCTGGTGTGCTCCAGCGCGTGGGAGCTGGTC  
 ATACTCGCAGCAGAGGCGACAGAAGGTGTGCTCTGGAGAGGGTCCACTAAGACCGACCTCATGGCCTTC  
 AGCCCGGTTTAGCCCCAGGTTTGAACATAGCGGAAAGAAGTGACCACGCAGAAGTAAATTCAGATCTTT  
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 TGTGCACCTGGAGGAGGCTGGCATTCTACGGGCTGGTCCAGGAGGGCTGATCAGCAGTGGCCAACAGTA  
 TCCAGTGAACACCAGAACCTGAGGCAGGAGAGGTGTCCCTCCGGTGGGCGCGGTGTCAACAGCAACA  
 GCTGGACCTTTAAATACGGACCAGGCAACCCCAACAGTCCGGTCCGAACCTAAAAGCAGACCCAGGT  
 TTCCTTTCTCCCGCCGCAAGGAGAAGCTTCCAGCCCCGCCAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG211110 representing BC082326  
 Red=Cloning site Green=Tags(s)

MLFSRLRGLRARRLLLFSLFLAAWEAGSGQIHYSVPPEAKHGTFVGRIAQDLGLELTELVPRLFRVASK  
 DRGDLLVNLQNGILFVNSRIDREELCGRSAECSIHLEIVDRPLQVFHVEVKVKDINDNPPVFKGAEQR  
 IFIPENRQLDSRFPLEGAVDADIGANSLTYTLSPDYFSLKVEITDELKSLSLRSLDREETPELQ  
 LLLTATDGGKPELEGTVRLQITVLDVNDNAPLFDQAIYRAQLVESTVNGTLVTTLNATDADEGVNGEVVF  
 SFGNDVSLDIQEKFNVDLSGEIRVIGDLDYEKTKSYEQIKAVDKGTPSMSNHCKVLVKVLDINDNAPE  
 LSITSLSLPIKEDTPLNTIIALIKVSDIDSGVNGQVTCSLTPHVPFKLVSTFKNYSLVLDSTLDRETTA  
 DYKVVVTARDGGSPSLWATASVSVEVADVNDNAPVFAQPEYTVFKENNPPGAHIFTVSAMDADAQENAL  
 VSYSLVERRVGERLLSSVSVHAESGKVFALQPLDHEEELLELQFQSARDAGVPALGSNVTLQVFLDEN  
 DNPPTLLGPHAGSAVSELVSRTMGAGHVTKVRAVDADSGYNLWVSYELQPPTGGARNPFRVGLYTGELS  
 TTRSLDEVDPVPRQLLVKDKHGEPMLTATATLVLSLVESSPIQKASLPVLTGAVGSKASLVDVNVYLI  
 AICAVSSLLVLTLLLYTALRCSATPTDGCAGPKPMLVCSAVGWSYSQQRRQKVCSGEGPKTDLMAF  
 SPGLAPGLNIAERSDHAEVNSDLSGNPRQPNPDWRYASLRAGMHSSVHLEEAGILRAGGPGDQWPTV  
 SSATPEPEAGEVSPVVGAGVNSNSWTFKYGPNPKQSGPEPKKQTQVSFLPRRKGEASQPRQ

TRTRPLE - GFP Tag - V

**Restriction Sites:**

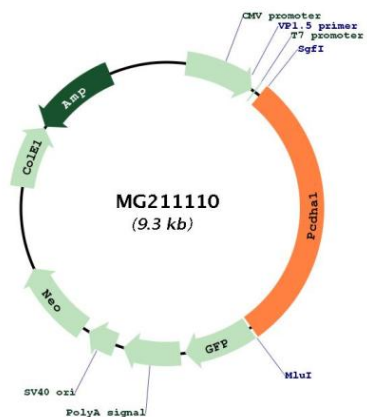
Sgfl-MluI

**Cloning Scheme:**



<b>ACCN:</b>	BC082326
<b>ORF Size:</b>	2708 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC082326</a> , <a href="#">AAH82326</a>
<b>RefSeq Size:</b>	4942 bp
<b>RefSeq ORF:</b>	2708 bp
<b>Locus ID:</b>	116731
<b>Cytogenetics:</b>	18 B2-B3

Product images:



Circular map for MG211110