

Product datasheet for **MR211110**

Pcdha1 (BC082326) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdha1 (BC082326) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdha1
Synonyms:	CNR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR211110 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTTTTCCAGGCTCCGAGGCTGAGAGCCGGCGCCTGCTCTTGTCTCGTTCTGTTTTCTGCAG
 CCTGGGAGGCAGGGAGCGCCAGATTCATTACTCTGTCCAGAGGAAGCCAAACACGGCACCTTTGTGGG
 CCGCATCGCGCAGGACCTGGGGCTGGAGCTGACGGAGCTGGTGCCTCCGCTATTACAGGGTGGCGTCCAAG
 GATCGCGGGGACCTTCTGGAGGTAATCTGCAGAAATGGCATTGTGTTGTGAATTCTCGGATCGACCGGG
 AGGAGCTGTGCGGGCGGAGCGGGAGTGTAGCATCCACCTGGAGGTGATCGTGGACAGGCCGCTGCAGGT
 TTTCCACGTGGAGGTGAAGGTTAAAGATTAATGATAACCCACCAGTTTTCAAAGGCGCAGAGCAAAGG
 ATATTTATTCCTGAAAACAGACAAGTACGATTACCGTTTTCCACTAGAGGGCGCCGTGGACGCAGACATTG
 GTGCCAATTCCTTTAACTTACACGCTGAGCCCCACTGATTACTTTCTTTAAAGGTAGAGACAACAGA
 CGAACTCAGTAAATCCCTTCGCTTGAAGTGAAGAAATCTTTGGATAGAGAAGAAACACCAGAATTCAG
 TTATTACTGACAGCCACCGACGGGGCAAGCCAGAGCTGGAGGGGACAGTTCGGCTGCAGATTACTGTGC
 TCGATGTTAATGACAACGCCCTGTTGACCAAGCCATCTACAGAGCACAGTTAGTAGAATCTACAGT
 GAATGGGACATTAGTGACGACGTTAAATGCCACTGACGCTGATGAAGGTGTTAATGGTGAAGTTGTGTTT
 TCCTTTGGCAATGACGTTTCTCTTGACATTCAAGAAAAATCAATGTGGATTCTCTTTCCAGGAGAAATTA
 GAGTGATCGGTGATCTAGATTATGAAAAACAAAATCCTATGAAATCAAATAAAGGCAGTTGATAAAGG
 GACTCCCTCCATGTCAAATCACTGCAAGGTTTTGGTGAAGTACTGGATATAAATGATAATGCTCCAGAG
 CTGTCGATCACATCCTTGTCTTTGCCATCAAAGAGGATACTCCACTAACACTATCATCGCACTCATCA
 AGGTGTCGACATCGACTCAGGTGTCAACGGGAGGTGACTGCTCCCTAACTCCATGTCCTTTCAA
 GTTGGTGTCCACCTTCAAGAATTAATTCGCTTGTGCTGGACAGCACCTGGACCGAGAGACCACAGCG
 GACTATAAGGTGGTGGTACAGCCCGCAGCGGGGCTCGCCCTGCTGTGGGCCACGGCCAGCGTGTCTG
 TGGAGGTGGTGAAGTGAACGACAATGCTCCAGTGTTCGCGCAGCCGAATACACTGTGTTCTGTAAGGA
 GAACAACCCGCTGGTGCACATCTTACGGTGTGACGATGGACGCGGATGCGCAGGAGAATGCGCTG
 GTGCTACTCGTGGTGGAGCGGAGGGTGGGCGAGCGCTTGTGTCGAGCTATGTGCTGTGCACGCGG
 AGAGCGCAAGGTGTTGCGCTGCAGCCTTGGACCATGAGGAGCTGGAGCTGCTGCAGTCCAGGTGAG
 CGCGCGGATGCTGGTGTGCTGCCCTGGGAGCAATGTGACTCTGCAGGTGTTGTGCTGGACGAGAAT
 GACAATCCACCCACTGCTGGGCCTCACGCAGGCAGCGCAGTGAAGCAACTGGTGTGACGGACAATGG
 GTGAGGGCATGTGGTGAAGGTTGCGCGGGTGGACGCGGACTCTGGCTACAATGCGTGGCTGTCCTA
 TGAACAACCTCCTACAGGTGGTGCAGCAACCCGTTTCGCGTGGGTCTGTACTGTTGAGATTAGC
 ACCACAGCTCCTTAGATGAGGTGATGTTCCACGACAGCGTCTCTTGGTGTGGTGAAGGACCATGGAG
 AGCCAATGCTGACTGCTACCGTACCGTGTGGTATCTCTGGTGGAAAGCAGTCCGATTAGAAAGCCCTC
 TTTGCCTGATTAACCGGTGACGTGGGTCCAAGGCATCGCTGGTGGATGTCAACGTGTACCTGATCATC
 GCCATCTGTGCCGTGTCAGCCTGTTAGTGCTCACTTTGCTTCTGTACACAGCGCTGCGTGTCCGCGA
 CACCACTGATGGAGCCTGTGGTCCGGGAAGCCATGCTGGTGTGCTCCAGCGCGTGGGAGCTGGTC
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 TGTGCACCTGGAGGAGGCTGGCATTCTACGGGCTGGTCCAGGAGGGCCTGATCAGCAGTGGCCAACAGTA
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 GCTGGACCTTTAAATACGGACCAGGCAACCCCAACAGTCCGGTCCCGAACCTAAAAAGCAGACCCAGGT
 TTCCTTTCTCCCGCCGCAAGGAGAAGCTTCCAGCCCCGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211110 protein sequence
 Red=Cloning site Green=Tags(s)

MLFSRLRGLRARRLLFLSLLFLAAWEAGSGQIHYSVPPEAKHGTFVGRIAQDLGLELTELVPRLFRVASK
 DRGDLLLEVNQLQNGILFVNSRIDREELCGRSAECSIHLEVIIVDRPLQVHFHVEVKVKDINDNPPVFKGAEQR
 IFIPENRQLDSRFPLEGAVDADIGANSLTYTLSPDYFSLKVEITDEL SKLSLELRKSLDREETPELQ
 LLLTATDGGKPELEGTVRLQITVLDVNDNAPLFDQAIYRAQLVESTVNGTLVTTLNATDADEGVNGEVVF
 SFGNDVSLDIQEKFNVDLSGEIRVIGDLDYEKTKSYEQIKAVDKGTPSMSNHCKVLVKVLDINDNAPE
 LSITSLSLPIKEDTPLNTIIALIKVSDIDSGVNGQVTCSLTPHVPFKLVSTFKNYYSLVLDSTLDRETTA
 DYKVVVTARDGGSPSLWATASVSVEVADVNDNAPVFAQPEYTVFKENPPGAHIFTVSAMDADAQENAL
 VSYSLVERRVGERLLSSYVSVHAESGKVFALQPLDHEELQLQVQSARDAGVPALGSNVTLQVFLDEN
 DNPPTLLGPHAGSAVSELVSRTMGAGHVTKVRAVDADSGYNLAWLSYELQPPTGGARNPFRVGLYTG EIS
 TTRSLDEVDVPRQRLVLVKDHGEPMLTATATVLSLVESSPIQKASLPVLTGAVGSKASLVDVNVYLI I
 AICAVSSLLVLTLLLYTALRCSATPTD GACGPKPMLVCSSAVGWSYSQRRQKVC SGEGPPKTDLMAF
 SPGLAPGLNIAERSDHAEVNSDL SGNPRQPNPDWRYASLRAGMHSSVHLEEAGILRAGGPGDQWPTV
 SSATPEPEAGEVSPVVGAGVNSNSWTFKYGPGNPKQSGPEPKQTQVSFLPRRKGEASQPRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

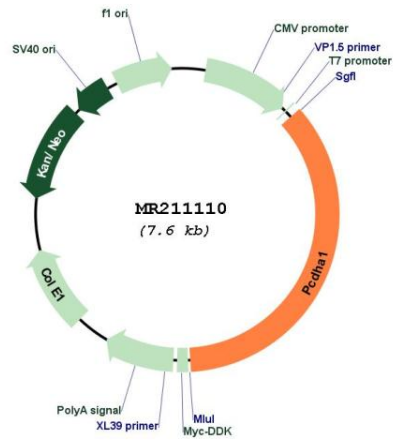
Cloning Scheme:



ACCN: BC082326

ORF Size:	2706 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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:	BC082326 , AAH82326
RefSeq Size:	4942 bp
RefSeq ORF:	2708 bp
Locus ID:	116731
Cytogenetics:	18 B2-B3
MW:	97.5 kDa

Product images:



Circular map for MR211110