

Product datasheet for RN206036

Pcdhac2 (NM_201422) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdhac2 (NM_201422) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pcdhac2
Synonyms:	rCNRvc2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN206036 representing NM_201422 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCAGGCGGGCCAGACCTGGGGCGACAGAGCATCCGCGACCCCTGCGGCCCTGCCCGGCTGC
TGCTTCTGTCTTCCGGCTGCTGCTGGTCTGCTGCCAGGCCAGCGCCCTCCAGCTACGGTACTCTGT
GCCGGAGGAGCAGAGCCCTGGCGGCTCGTGGCAACGTGCCAGAGCCCTGGGGCTGGAAGTGCAGGCGC
TTGGGACCCGGCTGTCTGCGCATCAACCATCTGGGTGCACCTAGCCCGCGCTACCTGGAAGTGGACTTGA
CCAACGGAGCGCTCTTCGTCAACGAGCGTATAGATCGCGAGGCTCTGTGCGAGCAGCGGCCCTCGCTGCCT
GCTCAGCTTGAAGTGTGGCTCACAACCCGGTGGCGGTGAGCGCGATCGAGGTGGAGATACTGGACATC
AATGACAACTCTCCGCGCTTCCCGCGCCGGATTATCAGCTTCAGGTAAGCGAATCCGTGGCACCTGGAG
CGCGGTTTACATAGAGAGCGCACAGGACCCTGACGTTGGCGCCAACCTCAGTTCAGACCTACGAGCTCAG
CCCCAGTGAGCACTTTGAGCTGGACCTAAACCCTTGACAGGAGAACAGCAAGGTGCTGGAGCTCGTGCTG
CGGAAGGGCCTAGACCGGAGCAGACTGCCTTGACCACTTGGTTCTCACTGCGGTGGATGGGGGCATCC
CAGCTCGCTCAGGCACGGCTCAGATCTCCGTTCTGTCTGACACGAATGACAATCTCCTGCTTTTGA
CCAATCCACTTACCGCGTCCAACCTGCGGGAGGACGCCCTCCAGGCACCTTGGTAGTGAAGTAAATGCC
TCTGACCCGACGAGGGCTCTAATGGTGAACCTCAGGACTCCTTGAAGTACACATCAGACCCGGGAGA
GACAGCTTTCAGTATCGACGCCACTACAGGGGAAGTGAAGTGAAGTGGGACTCTGGATTACGAGGAGTC
TTCCTCTACCAGATCTATGTGCAAGCTACTGACCGGGGACCAGTACCCATGGCGGGTCAATTGCAAGGTG
TTGGTGGACATTATAGATGTGAATGACAATGCTCCAGAGGTGGTGTACAGACTTACAGCCCAAGTGC
CTGAGGATGTTGCCCTCAACACTGTTGTGGCCCTTCTCAGTGTGAATGACCAAGATTCAGGTGCCAACC
GAAAGTAAAGCCTGGTCTGGAGGCTTCAATGCCCTTCAAGCTGAATGGCTTTGAAACTCCTATACCCCTG
GTGGTGAAGTGGCCACTGGATCGGGAGCGGTAGCTGCCTACAACATCACAGTGACAGCCACTGATGGGG
GAATACCACCACTCACATCTCAAAGGACTGACAGATTGAGATCTCTGACATAAATGACAATCCACCAAG
CTTCTGAAGGACTCCTATTCCATCTACATCCAGGAGAACAAATTTGCCGGGTGTGTTGCTTTGCACTGTG
CAAGCCACAGACCAGATCAAAGGAGAATGCGGAGGTGACCTACTCCTAGACAGGGAGATTCAAG



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GGCTGCCAGTCACCTCCTATGTCTCCATTAACAGTGCCAGTGGCAGCCTTTATGCTGTCAACTCCTTTGA
 CTATGAGAAATTCGAGAGTTTTTTGTGACTGTGGAGGCTCAGGATAAGGGGAGGCCACCATTAAGCAGC
 ACTGTGACCGCCAACGTGTATGTGGTGGATGTGAACGACCACGCCCTCATATTCTATACCTACCTCAA
 CTAACACATCAGCAGCCATTGAGTTGGTGCCACGGTCTGCCCCCTGCTGGCTACCTGGTCACCAAAGTCAT
 AGCCATGGATTGAGACTCTGGGCAGAATGCTTGGCTCTTTACCATTTAGTCCAACTTCTGACTCGGAC
 CTCTTTAAAGTAGAACTCACACAGGAGAAATAGGATCACCAGGAAGATAGGAGACGAGAGTGGTACCA
 CTTTCAACCTGACTGTGGTGGTCCGTGACAATGGTGAGCCACCTCTATCAGCTACCGTGGCCATTACAGT
 AGCCGTGGTGGACAGGGTTTCGAAAATGCTCCCTGACACTCAGAGACATATAAAGAGTCCTCGGACATAC
 TCCGAGATCACACTTTATCTGATAATAGCACTAAGCACAGTGTCTTTTATATTTCTCTTGACAATATTG
 TTCTGAGCATCATCAAGTCTACCCTACTGCTTATGGCACGGCATGTGTGGAGGCTTCTGTGGAGT
 GAGGGAGCGGAGCCCTGCAGACCTGTACAAGCAGGCCAATAACAATATCGATGCCAGGATACCACATGGC
 CTAAGTACAGCCTCACTTCATTGAGGTTGAGGCAATGGTCCCTCACCAAGACCTACTGCTACAAGG
 CCTGCCTGACAGCAGGCTCCGGGAGTGACACTTTCATGTTTTACAACACAGGGGCCAGACAGGGCCAGG
 GCCTGGGGAGCCCAAGCCTCAGTGACTGACAACAGGCAACTCACGGGCCAAAGTAGGCACAGTGTGGG
 AACCTGATTATCCTAAAAATGATGCTGTCTCTCAAAATGAGCCCGACAGCCCAACCTGACTGGCGCT
 ACTCTGCCTCGCTAAGAGCCGGCATGCACAGCTCTGTGCACCTGGAGGAGCTGGCATTCTACGGGCTGG
 TCCAGGAGGGCCTGATCAACAGTGGCCAACAGTATCCAGTGCAACACCAGAACCAGAGGCAGGAGAGGTG
 TCCCTCCAGTGGGCGCTGGTGTCAACAGCAACAGCTGGACCTTTAAATACGGACCCGGCAACCCAAAC
 AGCCCGGTCCCGGTGAGTTGCCAGACAAATTCATTATCCAGGATCTCCTGCAATCATCTCCATCCGGCA
 GGAGTCTGCTAACACCAAAATTGACAAAAGCGATTTTATAACCTTCGGCAAAAAGGAGGAGACCAAGAAA
 AAGAAGAAAAGAAGAAGGTAACAAGACCCAGGAGAAAAAGAGAAAGGGAACAGCACGACGGACAACA
 GTGACCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_201422
- Insert Size:** 3021 bp
- OTI Disclaimer:** 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).
- 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.
- RefSeq:** [NM_201422.1](#), [NP_958825.1](#)
- RefSeq Size:** 5418 bp
- RefSeq ORF:** 3021 bp

Locus ID: 393092

Cytogenetics: 18p11

Gene Summary: member of a family of synaptic cadherins and Reelin receptors, integral plasma membrane proteins that may play a critical role in maintaining specific cell-cell interactions in the brain [RGD, Feb 2006]