

Product datasheet for **MG221191**

Pcdhac2 (NM_001003672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdhac2 (NM_001003672) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcdhac2
Synonyms:	CNRc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221191 representing NM_001003672 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCAGGCGGGAGCCAGACCTGGGCGACAGAGCATCCGCGACCCCTGCGGCCCTTGCCTGGCTGC
TGCTTCTGTCTTTCCGACTGCTGCTGGTCTGCTGCCAGGCCAGCGCCTCCAGCTACGATACTCCGT
GCCGGAGGAGCAGAGCCCGCGCGCTCGTGGCAACGTGGCCAGAGCCTTGGGGCTAGAAGTGCAGCGC
TTGGGACCTGGCTGTCTGCGCATCAACATTTGGGTGCACCCAGCCGCGCTACCTGGAAGTGGACTTGA
CCAATGGAGCGCTCTTCGTCAACGAGCGGATAGATCGCGAGGCGCTGTGCGAGCAGCGGCCCTCGTGCCT
GCTCAGCTTGGAAAGTGTGGCTACAACCTGTGGCAGTGAGCGCGATCGAGGTGAAATACTGGACATC
AATGACAACCTCTCCGCGCTTCCCGCGGCCGATTATCAGCTTCAGGTAAGCGAATCCGTGGCACCTGGAG
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CCCCAGCGAGCACTTTGAGCTGGATCTTAAACCCTTGCAAGGAGATAGCAAGGTGCTGGAGCTCGTGCTG
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CAGCTCGCTCAGGCACAGCTCAGATCGCGTTCGTGTCTGGACACGAATGACAATCTCCTGCCTTTGA
CCAATCCACTTACCGGTCCAGCTGCGAGAGGATGCTCCTCCGGGCACATTGGTAGTGAAGTTGAATGCC
TCGGACCCGGATGAGGGTTCTAACGGTGAACCTCAGGTAAGTACTCCTTGAGCAGCTACACATCAGACCGGGAG
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CAAGCCACAGACCCAGATCAAAAGGAGAATGCAGAGGTGACCTACTCACTCCTAGACAGGGAGATTCAAG
 GGCTGCCAGTCACCTCCTATGTCTCCATTAACAGTGCCAGCGGCAGCCTTTATGTGTCTCACTCCTTTGA
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 AGTCCGGTCCCGGTGAGTTGCCAGACAAATTCATTATCCAGGATCTCCTGCAATCATCTCCATCCGGCA
 GGAGCCTGCTAACACCAAATGACAAAAGCGATTTTATAACCTTCGGCAAAAAGGAGGAGACCAAGAAA
 AAGAAGAAAAAGAAGAAGGTAACAAGACCCAGGAGAAAAAAGAGAAAGGGAACAGCACGACGGACAACA
 GTGACCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG221191 representing NM_001003672
 Red=Cloning site Green=Tags(s)

MEQAGARPGATEHRPLRPLPWL LLLSFRLLLVLLPGPAASQLRYSVPPEEQSPGALVGNVARALGLELRR
 LGPGCLRINHLGAPSPRYLELDLTNGALFVNERIDREALCEQRPRLLSLEVLAHNPVAVSAIEVEILDI
 NDNSPRFRPDYQLQVSESVAPGARFHIESAQDPDVGANSVQTYELSPSEHFELDLKPLQENSKVLELVL
 RKGLDREQTALHYLVLTAVDGGIPARSGTAQIAVRVLDTNDNSPAFDQSTYRVQLREDAPPGLVVKLNA
 SDPDEGSNGELRYSLSYTSDRERQLFSDVTTGEVRVSGTLDYEESSSYQIYVQATDRGPVPMAGHCKV
 LVDIIDVNDNAPEVVLTDLYSPVPEDVALNTVALLSVNDQDSGSRKVSLEASLPPRLNGFGNSYTL
 VVSGPLDRERVAAYNITVTATDGGVPLTSQRTLQVEISDINDNPPSFLKDSYSIYIEENLPGVLLCTV
 QATDPDQKENAETYSLLDREIQGLPVTYSVINSASGSLYAVNSFDYEFREFVTVAEQDKGRPPLSS
 TVTANVYVVDVNDHAPHILYPTSTNTSAAIEMVPRTPAPAGYLVTKVIAMSDSGQNAWLFYHLVPTSDSD
 LFKVELHTGEIRITRKIGDESGTTFNLTVVVRDNGEPLSATVAITVAVVDRVSKMLPDTQRHIKSPRTY
 SEITLYLIIALSTVSFIFLLTIIVLSIIKCYRYTAYGTACCGGFCGVRERCPAELYKQANNIDARIPHG
 LKVQPHFIEVRGNGSLTKTYCYKACLTAGSGSDTFMFYNTGAQTGPGGGAQASVTDNRQLTGQSRHSTG
 NLIILKNDAGSQNEPRQPNPDWRYSASLRAGMHSSVHLEEAGILRAGPGGPDQQWPTVSSATPEPEAGEV
 SPPVGAGVNSNSWTFKYGPGNPKQSGPGLPKFIIPGSPAIIISIRQEPANNQIDKSDFITFGKKEETKK
 KKKKKKGKNTQEKKEKGNSTTDNSDQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<u>NM_001003672.2</u>
RefSeq Size:	5422 bp
RefSeq ORF:	3021 bp
Locus ID:	353237
Cytogenetics:	18 B3