

Product datasheet for **RR212439**

Pcdhgc3 (NM_053943) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdhgc3 (NM_053943) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdhgc3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR212439 representing NM_053943
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCGCAGAGGCCCGGAGCAGCGGACTGGTAAGCCCCGGGAGAACGGTGGGAGTTTTGCTTCTGCTAG
 CTGCCCTTGACCGAGGCTTCCACCATCATTCACTATGAGATCCTGGAGGAGAGAGAGAAGGGTTTTCCCGT
 GGGTAACGTGGTCACGGATCTTGGTTTGGATCTCGGCAGTCTGTGCGCCCGCAGGCTCCGGGTGGTGTCC
 GGAGCTAGCCGTAGGTTCTTTGAGGTGAACTGGGAGACTGGAGAGATGTTCTGCAACGATCGACTGGACC
 GAGAGGAGCTGTGTGGGACGCTGCCCTCTGCACTGTAACCTGAGGTTGGTGGTAGAGAACCCGCTGGA
 GCTGTTACAGCGCGAAGTGGTGGTCCAGGACATCAACGACAACAATCCCTCTTCCCCACCGCGGAAATG
 AAATTGGAGATTAGCGAGGCCATGGCGCCGGGACGCGCTTCCGCTCGAGAGCGCGCACGATCCCGATG
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 AGAGGACGGCACGAAATACGCGGAGCTGGTCTGGAGCGCGCCTAGATTGGGAACGGGAGCCAAGTGTG
 CAGTTGGTACTGACCGCACTTGATGGAGGAACCCAGCTCGCTCCGCCACCCTTCCAATTCGTATCACAG
 TGCTGGACGCGAATGACAATGCTCCTGCCTTCAATCAGTCTTTGTATAGGGCGCGCTCCGGGAGGATGC
 ACCCCCAGGCACGCGCTCGCCAGGTTCTGCAACTGACCTGGATGAGGGCCTCAATGGAGAAATCGTT
 TACTCCTTCGGCAGCCACAATCGTGTGGGGTGGCGGAACTATTCGCTTTAGACCTCGTAACCGGGGTGC
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 CGCCTTTCTTTCTTTCTTTGGAACCCGGAGCGGAACTGGTCTCGTAGGTCGCTATTTACAATAAATC
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 CTACAGCCTCATGGGAGCCCCAACAGAGCCTTTTTGCCGTGGGGCTTACACGGGTGAGATCAGCACT
 GCCCGCCAATCCAGGACACAGATTCACCAAGACAGATTCACAGTCTTGATCTCAGACAATGGAGAAC
 CATTGCTCTCCACCACGCCACCCTGACTGTGTGAGTAACTGAGGAGTCTCCGGAAGCCCGGGCCGAGTT
 CCCTTCTGGCTCAGCTCCCCGAGAACAACAAAAATCTCACCTTTTATCTACTTCTTTCTTAATCTTA
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 AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212439 representing NM_053943
 Red=Cloning site Green=Tags(s)

MVAEARSSGLVSPGRTVGVLLLLAALTEASTIIHYEILEEREKGFVPGNVVTDLGLDLGSL SARRLRVVS
 GASRRFFEWNWETGEMFVNDRLDREELCGTLPSCVTLELVENPLELFAEVVVQDINDNPNPSFPTAEM
 KLEISEAMPGTRFPLESAHDPDVGNSLQTYELSHNEYFALRVQTTREDGTYAELVLERALDWEREPSV
 QLVL TALDGGTPARSATLPIRITVLDANDNAPAFNQSLYRARVREDAPPGTRVAQVRATDLDEGLNGEIV
 YSFGSHNRAGVRELFALDLVTGVLTIKGRLD FEDTKLHEIYIQAKDKGANPEGAHCKVLVEVVDVNDNAP
 EITVTSVYSPVEDAPLGTVIALLSVTDLDAGENGQVTCVPPGLPFLTSLSLKNYFTLKTSAALDRETV
 PEYNLSITARDSGTPSLSALTTVRVQVSDINDNPPQSSQSSYDVYVEENNLPGVPILNLSVWDPDAPPNA
 RLSFFLLEPGAETGLVGRYFTINRDNGILTTLVPLDYEDQREFQLTAHINDGGTPVLATNISVNI FVTDR
 NDNAPQVLYPRPGQSSVEVLPRGTAAGHVVS RVVGDADAGHNAWLSYSLMGAPNQSLFAVGLHTGQIST
 ARPIQDTSRQILTVLISDNGEPLLSTATLTVSVTEESPEARAEFPGSAPREQNKNTFYLLLSLIL
 VSVGF AVTVLGVIFKVYKWKRSRDLYRAPVSSLYRTPVSSLHADAVRGGMLMPPHLYHQVYLT TDSRRSD
 PLLKKPGAASPLASRQNTLRSCDPVFYRQVLGAESAPPGQQAPPNTDWRFSQAQRPGTSGSQNGDETGTW
 PNNQFDTEMLQAMILASASEAADGSSTLGGGTGMTGLSARYGPQFTLQHVDPYRQNVYIPGSNATLTNA
 GKRDGKAPAGGNGNKKKSGKKEKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

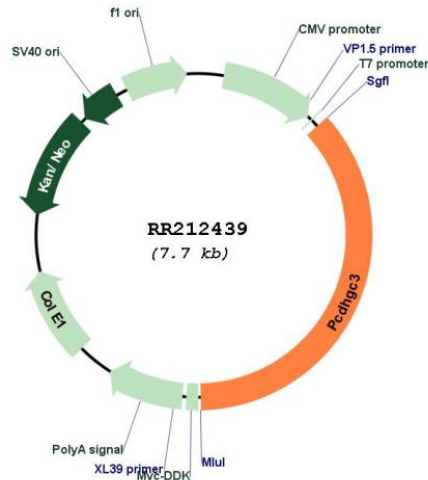
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053943

ORF Size: 2802 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:

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_053943.1](#), [NP_446395.1](#)

RefSeq Size: 4614 bp

RefSeq ORF: 2805 bp

Locus ID: 116782

Cytogenetics: 18p11

MW: 101 kDa

Gene Summary: may play a role in cell-cell adhesion during spermatogenesis [RGD, Feb 2006]