

## Product datasheet for **MR211244**

### **Pcdhgc3 (NM\_033581) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcdhgc3 (NM_033581) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdhgc3
Synonyms:	PC43; Pcdh2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR211244 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTCGCAGAGGCCCGGAGCAGCGGACTGGTAAGCCCCGGAGAACGGTGGGAGTTTTGCTTCTGCTAG  
 CTGCCTTAACCGAGGCTTCCACCATCATTCACTATGAGATCCTGGAGGAGAGAGAGAGGGGGTTCCCCGT  
 GGGTAACGTGGTCACGGATCTTGGTTTGGATCTCGGCAGTCTGTGCGCCCGCCGGCTCCGGGTGGTGTCC  
 GGAGCTAGCCGTAGGTTCTTTGAGGTGAACTGGGAGACTGGAGAGATGTTCTGCAACGATCGACTGGACC  
 GAGAGGAGCTGTGCGGGACGCTGCCCTCTGCACTGTAACCTGGAGTTGGTGGTAGAGAACCCGCTGGA  
 GCTGTTACAGCGGAAGTGGTGGTCCAGGACATCAACGACAACAATCCCTCTTTCCCCACCGGGGAAATG  
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 TGGGGAGCAACTTTTACAAACCTATGAGCTGAGCCACAATGAGTACTTTGCGCTCCGCGTGCAGACTCG  
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 CAGTTGGTACTGACCGCGCTGGATGGAGGAACCCAGCTCGCTCCGCCACCCCTTCCAATTCGTATCACAG  
 TGCTGGACGCGAATGACAATGCGCCTGCCTTCAATCAGTCTTTGTATCGGGCGCGCTCCGGGAGGATGC  
 ACCCCCAGGCACGCGCTCGCCAGGTTCTTGAACCTGACCTGGATGAGGGCCTCAACGGAGAAATCGTT  
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 AGGTGCCAATCCCGAAGGAGCGCATTGCAAAGTACTTGTAGAGTTGTAGACGTAATGACAATGCCCGG  
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 CGCCTTCTCTTTCTCTTGAACAGGAGCGGAACTGGGCTCGTGAGTCGCTATTTACAATAAATC  
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 CAGCTGCGGGCCACGTGGTCTCACGGTGGTAGGCTGGGACGAGATGCAGGGCACAAATGCTTGGCTCTC  
 CTACAGCCTCTTGGGAGCCCCAACAGAGCCTTTTTGCCGTGGGGCTTACACGGGTGAGATCAGCACT  
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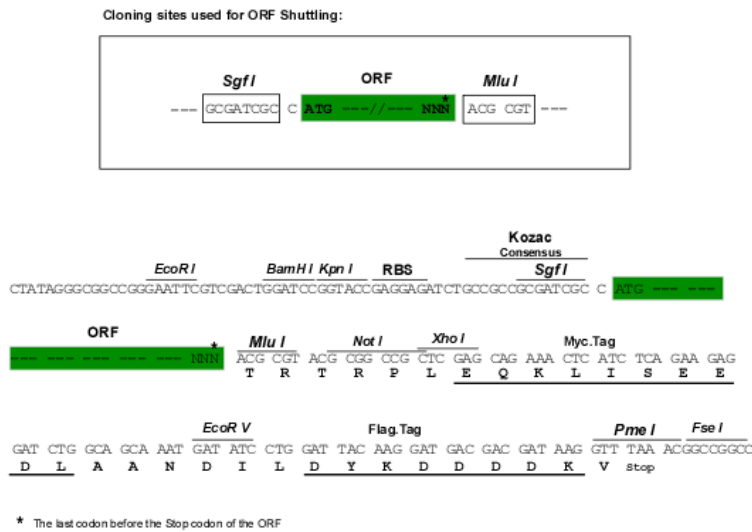
**Protein Sequence:** >MR211244 protein sequence  
 Red=Cloning site Green=Tags(s)

MVAEARSSGLVSPWRTVGVLALLAALTEASTIIHYEILEERERGFVPGNVVTDLGLDLGSL SARRLRVVS  
 GASRRFFEWNWETGEMFVNDRLDREELCGTLP SCTVTLELVENPLELFAEVVVQDINDNPN SFPTGEM  
 KLEI SEALAPGTRFPLESAHDPDVGSNLQTYELSHNEYFALRVQTR EDGKYAELVLERALDWEREPSV  
 QLVLTALDGGTPARSATLPIRITVLDANDNAPAFNQSLYR ARVREDAPPGTRVAQVLATDLDEGLNGEIV  
 YSFGSHNRAGVRELFALDLVTGVLTIKGR LDFEDTKLHEIYIQAKDKGANPEGAHCKVLVEVVDVNDNAP  
 EITVTSVYSPVEDAPLGTVIALLSVTDLDAGENGLVTCEVPPGLPFLTSSLKNYFTLKTSAALDRETM  
 PEYNLSITARDSGIPSLSALTTVKVQVSDINDNPPQSSQSSYDVYVEENNLPGVPI LNL SVWDPDAPPNA  
 RLSFFLLEPGAETGLVSR YFTINRDNGVLTTLVPLDYEDQREFQLTAHINDGGTPVLATNISVNVFVTDR  
 NDNAPQVLYPRPGQSSVEMLPRGTAAGHVVS RVGWDADAGHNAWLSYLLGAPNQSLFAVGLHTGQIST  
 ARPIQDTSRQILTVLISDSGEPLLSTATLTVSVTEESPEARAEFPGSAPREQNKNTFYLLLSLIL  
 VSVGF AVTVLGVIFKVKWKRSRDLYRAPVSSLYRTPGPSLHADAVRGGMLMPPHLYHQVYLT TDSRRSD  
 PLLKKPGAASPLASRQNTLRSCDPVFYRQVLGAESAPPGQAPPNTDWRFSQAQRPGTSGSQNGDETGTW  
 PNNQFDTEMLQAMILASAEADGSSTLGGGAGTMGLSARYGPQFTLQHVDPYRQNVYIPGSNATLTNAA  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

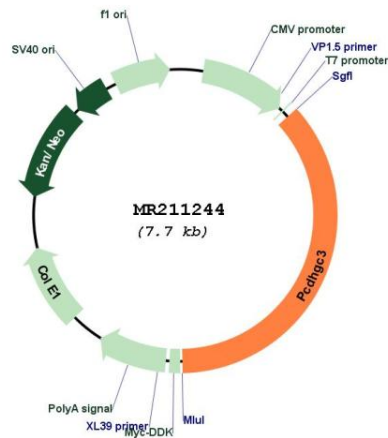


**ACCN:** NM\_033581

**ORF Size:** 2805 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\\_033581.2](#)
- RefSeq Size:** 4687 bp
- RefSeq ORF:** 2805 bp
- Locus ID:** 93706
- Cytogenetics:** 18 19.67 cM
- MW:** 101 kDa

**Product images:**



Circular map for MR211244