

## Product datasheet for **MG220948**

### **Pcdhgc5 (NM\_033583) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcdhgc5 (NM_033583) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcdhgc5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG220948 representing NM\_033583  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGGCCTATGGCATCACACAGTGCCTGCGTGGAAATGGCAAGTCTGTGTATGTTGTCCTTGTGCTGCT  
 GTGGCTGGGTGTCTGGGCAGCTTCGGTATTCAGTGGTGGAGGAGTCTGAGCCGGGACTTTGGTGGGGAA  
 CGTTGCTCAAGATCTGGGCTTAAAGGGGACAGATCTATTGAGCCGAGGCTGAGATTGGGCTCTGAGGAG  
 AATGGGCGCTATTTTTCCCTGAGTTTGGTGGAGCGGAGCTTTGGCAGTGGTACAGAAAATTGACCGAGAGA  
 GCCTGTGCGGAGCCAGCACTAGCTGCCTGCTGCCTGTACAGGTGGTAACTGAACACCCACTGGAGCTCAC  
 CCGGGTAGAGGTAGAGATCCTGGACCTCAATGACAACCTCTCCAGCTTTGCCACTCTGATCGAGAGATG  
 CGCATCTCGGAATCAGCTGCACCTGGAGCCAGGTTCCCACTGGATAGTGCCAAGACCCAGATGTGGGCA  
 CCAATACTGTGAGCTTTTATACTCTCAGCCCCAACAGCCACTTCTCTGATGTGAAGACCCTAAAAGA  
 TGGAAAGCTCTTCCAGAGCTAGTGTAGAGCAACAGCTAGACCGTGGAGCCAGCAAGACATCAGCTA  
 GTACTCACTGCCGTGGATGGGGGAACCCAGCCGCTCAGGGACCAAGCCTTATCTCGGTCAATGTGCTGG  
 ACGTCAATGATAATGCCCAACCTTCCAGTCTCGGTTCTACGTGTGGGACTCCCAGAGAACACACCCCC  
 GGGTACACTGCTGCTCCGTCTCAATGCCACTGATCCAGACGAGGGCACCAATGGCCAACCTAGACTACTCT  
 TTTGGAGACCATACATCTGAAACAGTGAAGAATCTCTTTGGCCTGGATCCTAGCAGTGGAGCAATCCATG  
 TGTTGGGTCCAGTAGATTTTGGAGAAATCAAATTTCTATGAAATTCATGCAAGAGCTCGAGACCAGGGACA  
 GCCAGCCATGGAGGGCCACTGTGAATTAAGTAGATGTAGGGGATGCTAACGACAACCCCTGAAGTG  
 CTGCTGGCATCTTTGGTCAACCTGTGCTAGAGAGCACACCCGTAGGCACGGTTGTGGGGTTGTTAATG  
 TGCCGGACCGAGACTCAGGTAGAAATGGTGGAGTGGCCTGAAGACATCTCCAAACCTGCCATTTCCAGT  
 CAAGCCTTCTGAGAACCCTACTCACTGCTCACCAGCCAGCCTCTGGACCGAGAGGCCACATCCCATAT  
 ACCATCGAGCTGCTGGCCAGTGTGCTGGATCACCCCCCTACATACCCATCTCACCCCTCAGGCTGAACA  
 TTTCCAGACGTTAATGATAACGCACCCCATTTCCACCAACAGCTCTACACTGCTTATATCCAGAAAACCG  
 CCCACCAGGCTCTCTCTCTGTACTGTGGCTGCCTCTGATCCAGACGAGGGGGATAATGCCCGCCTCACC  
 TATTCTATTGTGGGGAGTCAAATCCAGGGAGCCCCAGCCTCCTCCTTTGTGTATGTCAACCCCGAGGATG  
 GACGAATCTTTGCCAGCGGACCTTTGACTATGAGTTACTGCAGATGCTGCAAACTCGTGGTGGGGTCCG  
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 GCCCCAGCTGTGCTGCACCAAGACCTGGCAGGGAGTTCTCAGCCCTCAGCGTCTCCCCGATCTGCTC  
 CTCTGTTCTTTGGTACCAAGGTGACAGCCGTGGATGCTGACGCTGGTCAAAATGCATGGCTCTCTTA  
 CTCTCTTACCACAGTCCACAGCCCCGGACTGTTCTTGTATCTGCACACACTGGTGGAGTGGCACA  
 GCCCGGGCCTTATTGGAGGATGACTCTGATACCCAACAGGTGGTGGTCTGGTGGAGGATAATGGTGACC  
 CTTCACTATCCTCCACAGCAACAGTACTGCTGGTCTGGAGGACGAGGATGCAGAGGAAATGCCAAATC  
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 GTCAGTCTTTATCCTTAGTTACCTTCACTTTCATGTGAGTAAAGTGTCTGCGGAGGCATGAAGATGGGG  
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 CAACCTCCAGGTGAGCTCAGATGGCACACTAAAGTACATGGAGGTGACCCTGCGGCCACGGACTCTCAG  
 AGCATTGCTACAGGACCTGCTTTTCTCCGGCCTCGGATGGCAGTGAATCACTTTCTCAGGCCCTCA  
 GCGTTCAGCAGCCCTCAGCCTTGGCGCTGGAACCCGAGGCCTTGCCTTCCGCTCTAGTACGCTGCGGGA  
 GCGGAGCCAGCAAGCCCCGCCAACACTGACTGGCGTTTCTCTCAAGCCAGAGACCCGGCACGAGCGGA  
 TCCCAAAATGGTGTGAAACTGGCACCTGGCCAAACAGTTTGTATACAGAGATGCTGCAAGCCATGA  
 TCTTGGCCTCTGCGAGCGAAGCTGCTGATGGGAGCTCTACCCTGGGAGGGGGCGCTGGCACCATGGGTCT  
 GAGCGCTCGATACGGACCCAGTTTACCCTGCAGCAGTGCCTGACTACCGCCAGAACGTGTACATCCCT  
 GGCAGCAATGCCAGCTGACCAATGCCGCTGGCAAACAGATGGCAAGGCTCCAGCAGGTGTAATGGCA  
 ACAAGAAGAAATCGGGCAAGAAAGAGAAGAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG220948 representing NM\_033583  
 Red=Cloning site Green=Tags(s)

MRPMASPVAGKWQVLCMLSLCCCGWVSGQLRYSVVEESEPGLVGNVAQDLGLKGTDLLSRRLRLGSEE  
 NGRYFSLSLVSGALAVSQKIDRESLCGASTSCLLPVQVVEHLELTRVEVEILDNDNSPSFATPDREM  
 RISESAAPGARFPLDSAQDPDVGNTVVSFYTLSPNSHSLHVKTLKDGKLFPELVLEQQLDRETQARHQL  
 VLTAVDGGTPARSGTSLISVIVLDVNDNAPTFQSSVLRVGLPENTPPGTLRLRLNATDPDEGTNGQLDYS  
 FGDHTSETVKNLFGLDPSSGAIHVLGPVDFEESNFYEIHARARDQGPAMEGHCVIQVDVGDANDNPPEV  
 LLASLVNVPVLESTPVGTVVGLFNVRDRDSGRNGEVSLKTPSNLPFQIKPSENHYSLLTSQPLDREATSHY  
 TIELLASDAGSPPLHTLTLRLNISDVNDNAPHFTQQLYTAYIPENRPPGSLCTVAASDPDEGDNARLT  
 YSIVGSQIQGAPASSFVYVNPEDGRIFAQRTFDYELLQMLQIVVGVDRSGSPRLHANTSLHVFVLDQNDN  
 APAVLHPRPGREFSAPQRLPRSAPPGSLVTKVTAVDADAGHNAWLSYLLPQSTAPGLFLVSAHTGEVRT  
 ARALLEDDSDTQQVVVLVRDNGDPSLSSATVLLVLEDEDAEEMPKSSDFLTHPPERSDLTYLIVALAA  
 VSLLSLVTFTFMSAKCLRRHEDGDRGGGHCCRGDQSPSREFYKQSSPNLQVSSDGLKYMEVTLRPTDSQ  
 SHCYRTCFSPASDGSDFTLRPLSVQQPSALALEPEALRSRSSTLRERSQQAPPNTDWRFSQAQRPGTSG  
 SQNGDETGTWPNQFDTEMLQAMILASASEAADGSSTLGGGAGTMGLSARYGPQFTLQHVDPYRQNVYIIP  
 GSNATLTNAAGKRDGKAPAGGNGNKKKSGKKEKK

TRTRPLE - GFP Tag - V

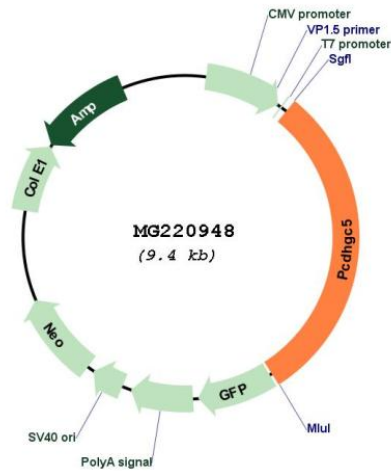
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



Plasmid Map:



ACCN: NM\_033583

ORF Size: 2832 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\\_033583.3](#), [NP\\_291061.1](#)

RefSeq Size: 4708 bp

RefSeq ORF: 2835 bp

Locus ID: 93708

Cytogenetics: 18 B3