

## Product datasheet for **MG214463**

### **Pcdhb16 (NM\_053141) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcdhb16 (NM_053141) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcdhb16
Synonyms:	Pcdhb8; PcdhbP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG214463 representing NM\_053141  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGCCAGCAGGAAGCTCATTTCAGACAAAGGCAAGTCCTTTTTTCTTTCTCTATTAGGCTTCC  
 CTCTAACGACTGCAGGGAACTGAGGCGCTATTCTGTGGTGGAGGAAAAGGAGGGTAGGTCCTTTGTAAC  
 CAATTTAGTAAAAGACCTGGGTCTTGGGCACTGGAACCTCCCCGGAGAGGAGCTAAGGTCATTTCTAAA  
 GGTAACAAACTACATTTGCAGCTGGATCAGGAGACAGGGGATTTGCTGTTAAATGAGAAAGTGGACAGGG  
 AAAAAGTGTGGGCATACAGAGCCATGCTTGCTAAGCTTCCAAGTGTGCTAGACAACCCCTTGGATAT  
 TTTTCAAGCTGAGCTAGAAGTACAGACATAAATGACCACTCACCAGAATTCCTGGACAAAGAGATCATG  
 CTAAGATATCAGAAAGCAGTCTTCTGGAGCTACATTTCTCTGAAGAATGCTCAGGACATGGATGTAG  
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 TGGACATCAATGATAACGCTCCTCAATTTGAGCAGCTTTTTTACAAGCACAGATCCCTGAGGATAGTCC  
 AATAGGCTTTCTGATCATCACTGTCTCTGCTACAGACAAGGACATTGGAGTCAATGGACAGATCTCCTAT  
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 TAGATTTCCGGAGAAAATGGGAAAGTAAAGTTGTTCCATTCAGGACGATCTACCCTTCTTCAAAGCTTC  
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 TGCCCTGCACATAGGCACCATCAGTGCCACAGACTCAGACTCAGGCTCCAATGCTCACATCACTTACTCG  
 CTGCTGCCGCCCATGACCACAGCTGGCCCTCGCCTCGTTCATCTCCATCAACGCAGACAATGGGACG  
 TGTTCTGTGCTCAGGGCACTGGACTATGAGGCCCTGCAGGCCTTTGAATCCATGTGGGTGCCACAGACGG  
 AGGTTCCGCCGCTCTCAGCAGCCAGGCGCTGGTGCATGGTGGTGTGGACGACAATGACAATGCGCCC  
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 GATACCTGGTACCAAGGTGGTGGCTGTGGACCGGACTCTGGACAGAATGCCTGGCTGTCGTTCCAGCT  
 GCTCAAAGCTACGGAGCCCGGGCTGTTCAGTGTGTGGGCACACAATGGAGAGGTACATACCTCCAGGCTG  
 CTGAGCGAGCGGATGTGCACAAGCACAGGCTGATACTGCTAGTCAAGGACAATGGCGATCCTCCGCGCT  
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 GTCTCAGAGCTACCAATATGAGGTGTGCTTACTGGAGACTCTGGGACTGGTGGATTCAAATATCTGAAA  
 CCAATTTTACCTAATTTTCAAGACATTCTTTAGACCAGAAATGGGTGAAAATCCCAACTCTAGGAATG  
 ACTGGAGTTTTGTATTAGTTAAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214463 representing NM\_053141  
Red=Cloning site Green=Tags(s)

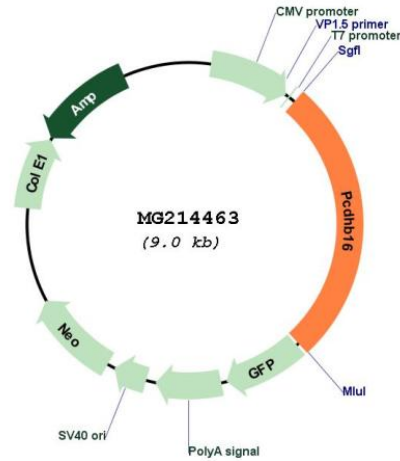
MEASRKLICRQRQVLFFFLLLGFPLTTAGELRRYSVVEEKEGRSFVTNLVKDLGLGQLELSRRGAKVISK  
GNKHLHLQDQETGDLNLLNEKVDREKLCGHTEPCLLSFQVLLDNPLDIFQAELEVTDINDHSPEFLDKEIM  
LKISESSLPGATFPLKNAQDMDVGQNGIDKYLISNSYFRVLTRKRSDGKKYPELVDRALDREEEAELR  
LTLTAQDGGSLPRSGTTEVHIEVLDINDNAPQFEQLFYKAQIPEDSPIGFLIITVSATDKDIGVNGQISY  
SLFQVSDDISKTFSIHPLTGEVRLKEHLDFEKTQSYEINIEARDAGTFSGKCTILAQVLDVNDHAFEIIL  
SAFTNSILENLPETMVAVFVSDLDSENGKVSQSIQDDLPPFLKPSGENFYTLSSQKPLDRESVAEYNI  
TITVADMGSPIKTVQVNLTVQVSDINDNAPIFTQTSYTMFIRENNSPALHIGTISATSDSDSGSNAHITYS  
LLPPHDHQLALASFISINADNGQLFVLRALDYEALQAFEFHVGATDGGSPALSSQALVRMVVLDNDNAP  
FVLYPMQNASAPYTELLPRAAEPGYLVTKVAVDRDSGQNAWLSFQLLKATEPGLFSVWAHNGEVHTSRL  
LSERDVHKKHRLILLVKDNGDPPRSASVTLHVLLVDGFSQPYLPLPEVARDPDHEDSELTYLVIALASVS  
SLFLVSVLLFVGVRLCRRAREVSLGGCSVPEGHFPGHLVDVSGTGTLSSQSYQYEVCLTGDSGTGEFKYK  
PILPNFQDHSFRPEMGENPNSRNDWSFGIQLK

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



Plasmid Map:



ACCN: NM\_053141

ORF Size: 2406 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\\_053141.3](#), [NP\\_444371.3](#)

RefSeq Size: 5278 bp

RefSeq ORF: 2409 bp

Locus ID: 93887

Cytogenetics: 18 B3