

## Product datasheet for **MR214395**

### **Pcdhb5 (NM\_053130) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcdhb5 (NM_053130) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdhb5
Synonyms:	Pcdhb4A; PcdhbE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR214395 representing NM\_053130  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGAAGCTGGAGAGAAATCATCGAAACAGGCAAGTATTCTTTCTTTTATGCTGCTTTGGGATC  
AGGTCCTCATGGTGCCTACTCGGTACTCTGTCTTGGAGGAATCAGAAAAGTGGCTCCTTTGTAGCCATCT  
GGCCAAGGATCTGGGTCTGGGAGCTGGGAGCTGGCTGCCAGGTCTGCACGGGTGGTGTCTGACCATGAC  
AAACAGCAATTCATTCTAGATTCTGAGACTGGAGATTTGCTTCTGAGGGAGAACTAGACAGGGAAGAAC  
TGTGTGGCTCTGTGGATCCCTGTGTGCTGCATTTCCAAGTGTTCCTAGAAAAGCCAGTGCAGTTTTTTCA  
AGGAGAATTATTGATCCAGGATATAAATGACAACCTCGCCAGAATCCCAGATAAAGAATTGCTCTTGAAA  
ATACTGAAAAACAGCCAGCCAGGCACACGGTTTTTCATTAATAAGCCAGGATTTGGATGTGGGCAGCA  
ATGGGCTTCAACAATACACAGTCAACCCCAACTCTCATTTTCATGTCCTCACTCGAAATAATAGCGAGGG  
CAAGAAATACCCAGAGTTGGTACAGGACAGAGCCCTGGACAGAGAGGAGCAGGCAGAGCTGAGCTTAATC  
CTCACAGCTCTGGATGGCGGGTCTCCACCAGAGTCAAGAACAGCCCTGGTTCGAATCCTGATCATGGACA  
TCAATGACAATGCTCCTGAGTTTGTGAACAACCCCTATGAGGTGCAGGTCTAGAGAGCAGTCCCCCAGA  
CTCCCCAGTCTGACTGTCTTCGCACAGGATGCAGATGCTGGCAACTTTGGGAGAGTTTCTATGGCTTG  
TTCCAAGCATCAGATGAAATCCAGAAAACCTTTCTCAATAAACGAATTCAGTGGAGAAATACGACTGAAAA  
CGAAATTTGGATTTTGA AAAA ACTAAATCTTACCATGTAGAAAATGAGGCCACAGATGGAGGAGGCCCTTC  
TGGGAAGGGCTCTGTGGTGTAGAGGTGTTGGATGTGAACGACAATGCCAGAGCTGACCATATCTTCA  
CTGACCAGCTCAGTCCCAGAAAATCTCCAGAACTGTGGTCGCTATCATCCGAATACGGGATAGAGATT  
CTGGAGAGAATGGGAAGATGATTTGTTCAATTTCCAGATCATGTGCCATTATTTTAAAACCTCTTACAA  
GAACCTTTTACACCCTGGTGACAGAGAGCCCTCTGGATAGAGAGAGCAGAGCTGAGTACAACATCACCATC  
ACAGTCTCCGACCTGGGCACACCAGGCTCACAAACCAGCACACCATAACAGTGAAGGTGTCGACATTA  
ACGACAACGCCCTGCCTTCAGCCAAACCTCCTACACCATGTTTGTCCGCGAGAACAACAGCCCTGCCCT  
GCACATTTGGCACCATCAGTGCCACAGACTCAGACTCAGGCTCCAATGCTCACATCACCTACTCGTGCTG  
CCACCCACAGCAACAGCTGGCCCTCCACTCGCTCATCTCCATCAATGCTGACAATGGGCAGCTATTTG  
CGCTCAGTGCCTGGACTATGAGGCCCTGCAGGGCTTCAATTTACGTGGGTGCCACAGACCGAGGCTC  
TCCTGAGCTCAGCAGCCAGGCTCTGGTGCCTGGTGGTGTAGACGACAATGACAATGCGCCCTTCGTG  
CTTACCCACTGCAGAATGCTTCTGCGCCCTGCACTGAGGTGCTGCCAGGGCTGCGGAGCCTGGATACC  
TGGTACCAAGGTGGTGGCTGTGGACCCGACTCTGGCCAGAATGCCTGGTTGTCATTCCAGCTGCTCAA  
GGCCACGGAGCCCGACTGTTACAGCTGTGGGCTCACAAATGGCGAGGTGCGCACCACCAGGCTGCTGAGT  
GAGCGAGATGCACCAAGCACAGGCTGCTGCTGCTGGTCAAGGACAATGGAGAGCCTCAGCGCTCTGCCA  
GCGTCACGCTGCACGTGTTGCTGGTGGATGGCTTCTCTCAACCTTACCTGCCCTGCCTGAAGTGGCGCG  
CGACCCCGCACAGGATGATCCGGATGTGCTCACGCTCTACCTTGTATTGCCTTGGCCTCTGTGTCTTCT  
CTCTTTCTTTTGTCTGTGCTGATGTTCTGTGGGAGTGAGGCTGTGCAGGAGGGCCAGGGAACCCCTCTG  
GTGGCTGCTCTGTGCTGAGGGCCACTTCTGCGCCACTGGTGGATGTGAGCCATGCAGGAGCCCTGTC  
CCAGAGCTACCAGTATGACATGTGTCTAACAGGAGAATCTGGGACTGGTGGATTCAAATTCCTCAAGCCC  
ATAGTCCCAACCTAATGGTTCAGGATACGGGAAATCTCACTGCAGGGATAGCTTTGTATTACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR214395 representing NM\_053130  
Red=Cloning site Green=Tags(s)

MEKLERNHRRNQVIPFLFMLLWDQVLMVPTRYSVLEESSESGSFVAHLAKDLGLGAGELAARSARVVDHD  
KQQFILDSETGDLLLREKLDREELCGSVDPVLFHFQVFLFKPVQFFQGELLIQDINDNSPEFPDKELLLK  
ILENSQPGTRFSLKLAQDLDVGSNGLQQYTVNPNSHFVHLTRNNSEGKKYPELVQDRALDREEQAELSLI  
LTALDGGSPPRSGTALVRILIMDINDNAPEFVNNPYEVQVLESSPPDSPVLTVFAQDADAGNFGRVSYGL  
FQASDEIQKTFSEINEFTGEIRLTKLDFEKTASYHVEIEATDGGGLSGKGSVVIEVLDVNDNAPELTISS  
LTSSVPENSPETVVAIIRIRDRDSGENGMICSI SDHVPFILKPSYKNFYTLVTE SPLDRESRAEYNITI  
TVSDLGTPRLTTQHTITVKVSDINDNAPAFSQTSYTMFVRENNSPALHIGTISATDSDSGSNAHITYSLL  
PPHDQQLALHSLISINADNGQLFALSALDYEALQGFYVYGATDRGPELSSQALVRVVVLDNDNAPFV  
LYPLQNASAPCTEVLPRAAEPGYLVTKVAVDRDSGQNAWLSFQLLKATEPGLFSVWAHNGEVTRTRLLS  
ERDAPKHRLLLLVKDNGEPQRSASVTLHVLLVDGFSQPYLPLPEVARDPAQDDPDVLTLYLVIALASVSS  
LFLLSVLMFVGVRLLCRRAREPSLGGCSVPEGHFPGHLVDVSHAGTLSQSYQYDMCLTGESGTGEFKFLKP  
IVPNLMVQDTGNLHCRDSFVFS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9004\\_a09.zip](https://cdn.origene.com/chromatograms/mm9004_a09.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_053130

ORF Size: 2376 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\\_053130.3](#), [NP\\_444360.1](#)

**RefSeq Size:** 3533 bp

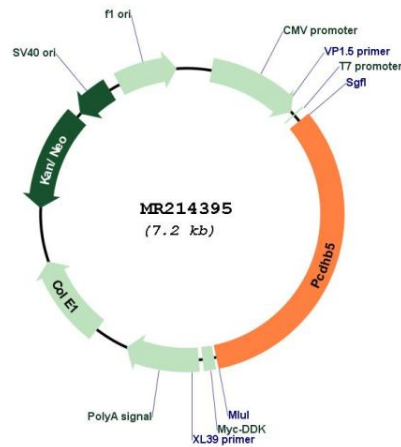
**RefSeq ORF:** 2379 bp

**Locus ID:** 93876

**Cytogenetics:** 18 B3

**MW:** 87.7 kDa

**Product images:**



Circular map for MR214395