

Product datasheet for **MR214534**

Pcdhb6 (NM_053131) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdhb6 (NM_053131) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdhb6
Synonyms:	Pcdhb5B; PcdhbF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR214534 representing NM_053131
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGACAACGCTAGCAAAAACGCCAGAGAAAAGGCAAGTGGTTTTTCTTGCTATATTGTGCTTTTGT
 GGGAGGCTGGTTCTGAGGCAATTAGATATTCCATTCCAGAAGAAAACAGAGAGTGGCTACTTGGTGGCTCA
 CTTGGCAAAAGATCTGGGTTTCAGGGTAGGGAACTGGCCACTAGAAGGGCTCGAATCCATCACAGAGGA
 AACAAAGAGCTCTTGAGCTAGATGTGGAGACAGGGAATTTGCTCCTGAAAGAAAAACCAGATCGCGAAG
 CACTATGTGGGGCAGACAACCTGTGTGCTGCACTTCCAGATCATACTAGAAAACCTGTGCACTTCTT
 TCAAACCTGAAGTGCAGCTCACAGATATAAACGACCACTCTCCGGAGTTCCTGACACAGAAATGCTCCTA
 AAAATTCAAGAAAGCACACAGCCAGCAACTGTGTTTCTTCTGAAGGCAGCTCAGGACTCTGACATTGGAA
 GCAACGCTGTTCCAGAACTACACAGTCAGTCCCAACCTCCATTTCCATGTGGTTACTCTCAGTCGCTCAGA
 TGGCAGGAAATACCCAGAGCTGGTGTGGAGAGCCCTGGACAGGGAGGAGCAGCTGAACTCACTTTA
 ATCCTCACTGCTCTGGATGGGGAGCTCCGCCCAAGTCTGGGACTACCCTGTTGCAATTGAAGTCGTGG
 ACATCAATGATAATGCCCCGAATTTGTACAGTCACTCTATTCGGTGGAGGTCCTGAGAACAGCCCTT
 CGATGCCTTAGTTGTACAGTCTCTGCCAGAGATTTAGATGCTGGGATACATGGCAATGTAGCCTACTCT
 CTGTTTCAAGGTGGGGAGGTCCTCAGCCATTTGTAATAGATGAAATCACAGGAGAAATTCGTCTTAAAG
 GGGCACTGGATTTTGAAGCAACTCATACTATACCATGGAATTTGTAGCCACAGACAGTGGTGGTCTTTT
 AGGAAATGCACTGTAGCTATCCAGGTGTTGGATGTGAACGACAATGCCCTAAACTCACCATCTCTTCC
 CTCCTAGTTCATCCCAGAAAATGCTCCTGAGGCTGTAGTTGCTGTTTTCAAGTCTCTGACCCAGATT
 CGGGGGATAATGGAAGGATGGTGTGTTCTATTCAAACGAACTTCCATTTCTTTTGAAGCCTACATTTGA
 AAATTACTACACTTTAGCGGCAGAAGGGCCACTGGACAGAGAGATCAGAGAAGAGTACAACATCACCATC
 ATAGTCTCCGATTTGGGCACACCCAGGCTCACAACCCAGCACACCATAACAGTGCAGGTGGTGGACATCA
 ATGACAATGCCCTGCCTTACCACAACTCCTACACCATGTTTGTCCATGAGAACAACAACCCCGCCCT
 GCACATAGGCACCATCAGTGCCACAGACTCAGACTCAGGCTCCAATGCCACATCACATACTCGTGCTG
 CCGCCCATGACCTACAGCTGTCCCTTGCTCGTGGTCTCCATCAATGCAGACAACGGACAGCTGTTCC
 CTCTCAGGGCAATGGACTATGAGGCCCTACAGGCTTTGAATTCATGTGGTTGCCAGAGATGGAGGCTC
 ACCTGCGCTCAGCAGCCAGGCTCTGGTGCCTGGTGGTGGTGGATGACAATGACAATGCGCCCTCATT
 CTCTACCCGATGCAGAACGCTCTGCGCCCTGCACTGAGCTGCTGCCAGGGCTGCGGAGCCTGGCTACC
 TGGTAACCAAGTGGTGGCAGTGGACTCTGACTCGGGCCAGAATGCTTGGCTGTCATTCCAGTTGCTCAA
 GGCCACGGAACCTGGGTTGTTACAGCTGTGGGCTCACAATGGCGAGGTGCGCACACCAGGCTGCTGAGT
 GAACGAGATGTACCAAGCACAGGCTGCTGTTGCTGGTCAAGGACAATGGAGAACCTCCGCGGTCTGCCA
 GCGTCACTCTTCAATGTGCTGCTAGTGGATGGCTTCTCTCAGCCCTACCTGCCTCTGCCTGAGGTGCAGCA
 CGACTCTTACAGGATGAAGACATGCTCACACTTACCTGGTCAATGCTTGGCTCTGTGCTTCTCTC
 TTCTCTGTCTGTGCTGCTGTTCTGTTGGGGTGGGCTTTGCAGGAGGTCAGGGAGGCTCTCTGGGTG
 CCTGCTGTGCCGAGGGACACTTTTCTGGCCACTTGTGGATGTCAGCGGTATGGGGACATTGCCCCA
 GAGCTACCAGTATGAGGTGTGCTGAGCGGAGACTCTGGGACAACAGATTTCAAATTCCTGAACCATTAT
 TCACAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214534 representing NM_053131
Red=Cloning site Green=Tags(s)

METTLAKTPEKRQVFLAIIIIIIWEAGSEAIRYSIPEETESGYLVAHLAKDLGFRV GELATRRARIHHRG
NKELLQLDVETGNLLIIEKPDREALCGATEPCVLHFQIILENPVQFFQTEQLQTDINDHSPEFPDTEMLL
KIQESTQPATVFLKAAQSDIGSNAVQNYTVSPNLHFHVVTLSRSDGRKYPELVLDRALDREEQPELTL
ILTALDGGAPPKSGTTTTVRIEVDINDNAPEFVQSLYSVEVPENSPLDALVVTVSARDLDAGIHGNVAYS
LFQGGGGPQPFVIDEITGEIRLKGALDFEATSYTMEIVATDSGGLSGKCTVAIQVLDVNDNAPKLTISS
LTSSIPENAPEAVVAVFVSDPDSGDNGRMVCSIQNELPFLKPTFENYYTLAAEGPLDREIREEYNITI
IVSDLGTPRLTTQHTITVQVVDINDNAPFTQTSYTMFVHENNNPALHIGTISATSDSDSGSNAHITYSLL
PPHDLQLSLASLV SINADNGQLFALRAMDYEALQAFEFHVVARDDGGSPALSSQALVRVVLDNDNAPFI
LYPMQNASAPCTELLPRAAEPGYLVTKVVAVDSGQNAWLSFQLLKATEPGLFSVWAHNGEVTRTRLLS
ERDVPKHRLLLL VKDNGEPPRSASVTLHVLLVDGFSQPYLPLPEVQHDSSQDEDMLTLYLVIALASVSSL
FLLSVLLFVGVRLCRRVREASLGACSVPEGHFSGHLVDVSGMGTLSQSYQYEVCLSGDSGTTDFKFLNHYSQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9097_b07.zip

Restriction Sites: Sgfl-Mlul

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_053131.2](#)

RefSeq Size: 2319 bp

RefSeq ORF: 2319 bp

Locus ID: 93877

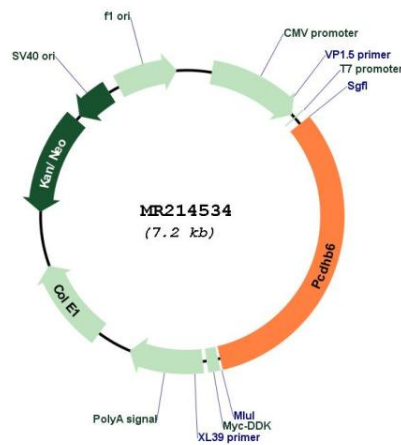
UniProt ID: [Q91XZ4](#)

Cytogenetics: 18 B3

MW: 84.3 kDa

Gene Summary: Calcium-dependent cell-adhesion protein involved in cells self-recognition and non-self discrimination (PubMed:27161523). Thereby, it is involved in the establishment and maintenance of specific neuronal connections in the brain (PubMed:27161523).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214534