

Product datasheet for **MC221512**

Pcdhb6 (NM_053131) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC221512 representing NM_053131
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACAACGCTAGCAAAAACGCCAGAGAAAAGGCAAGTGGTTTTTCTTGCTATATTGTGCTTTTGT
 GGGAGGCTGGTTCTGAGGCAATTAGATATTCCATTCCAGAAGAAAACAGAGAGTGGCTACTTGGTGGCTCA
 CTTGGCAAAGATCTGGGTTTCAGGGTAGGGAACTGGCCACTAGAAGGGCTCGAATCCATCACAGAGGA
 AACAAAGAGCTCTTGAGCTAGATGTGGAGACAGGGAATTTGCTCCTGAAAGAAAAACCAGATCGCGAAG
 CACTATGTGGGGCAGACAACCTGTGTGCTGCACTTCCAGATCATACTAGAAAACCTGTGCACTTCTT
 TCAAACCTGAAGTGCAGCTCACAGATATAAACGACCACTCTCCGGAGTTCCTGACACAGAAATGCTCCTA
 AAAATTCAAGAAAGCACACAGCCAGCAACTGTGTTTCTCTGAAGGCAGCTCAGGACTCTGACATTGGAA
 GCAACGCTGTTCCAGAACTACACAGTCAGTCCCAACCTCCATTTCCATGTGGTTACTCTCAGTCGCTCAGA
 TGGCAGGAAATACCCAGAGCTGGTGTGGACAGAGCCCTGGACAGGGAGGAGCAGCTGAACTCACTTTA
 ATCCTCACTGCTCTGGATGGGGGAGCTCCGCCCAAGTCTGGGACTACCACTGTTCCGAATTGAAGTCGTGG
 ACATCAATGATAATGCCCCGAATTTGTACAGTCACTCTATTCGGTGGAGGTCCCTGAGAACAGCCCCCT
 CGATGCCTTAGTTGTACAGTCTCTGCCAGAGATTTAGATGCTGGGATACATGGCAATGTAGCCTACTCT
 CTGTTTCAAGGTGGGGGAGGTCTCAGCCATTTGTAATAGATGAAATCACAGGAGAAATTCGTCTTAAAG
 GGGCACTGGATTTTGAAGCAACTCATACTATACCATGGAATTTAGCCACAGACAGTGGTGGTCTTTT
 AGGAAATGCACTGTAGCTATCCAGGTGTTGGATGTGAACGACAATGCCCTAAACTCACCATCTCTTCC
 CTCCTAGTTCATCCCAGAAAATGCTCCTGAGGCTGTAGTTGCTGTTTTCAAGTCTCTGACCCAGATT
 CGGGGGATAATGGAAGGATGGTGTGTTCTATTCAAAACGAACCTCCATTTCTTTTGAAGCCTACATTTGA
 AAATTACTACACTTTAGCGGCAGAAGGGCCACTGGACAGAGAGATCAGAGAAGAGTACAACATCACCATC
 ATAGTCTCCGATTTGGGCACACCCAGGCTCACAACCCAGCACACCATAACAGTGCAGGTGGTGGACATCA
 ATGACAATGCCCTGCCTTACCCTAACCTCCTACACCATGTTTGTCCATGAGAACAACAACCCCGCCCT
 GCACATAGGCACCATCAGTGCCACAGACTCAGACTCAGGCTCCAATGCCACATCACATACTCGTGTCTG
 CCGCCCATGACCTACAGCTGTCCCTTGCTCGTGGTCTCCATCAATGCAGACAACGGACAGCTGTTCCG
 CTCTCAGGGCAATGGACTATGAGGCCCTACAGGCTTTGAATTCATGTGGTTGCCAGAGATGGAGGCTC
 ACCTGCGCTCAGCAGCCAGGCTCTGGTGCCTGGTGGTGGTGGTGGATGACAATGACAATGCGCCCTTCATT
 CTCTACCCGATGCAGAACGCTCTGCGCCCTGCACTGAGCTGCTGCCAGGGCTGCGGAGCCTGGCTACC
 TGGTAACCAAAGTGGTGGCAGTGGACTCTGACTCGGGCCAGAATGCTTGGCTGTCATTCCAGTTGCTCAA
 GGCCACGGAACCTGGGTTGTTACAGCTGTGGGCTCACAATGGCGAGGTGCGCACCACCAGGCTGCTGAGT
 GAACGAGATGTACCAAGCACAGGCTGCTGTTGCTGGTCAAGGACAATGGAGAACCTCCGCGGTCTGCCA
 GCGTCACTCTTTCATGTGCTGCTAGTGGATGGCTTCTCTCAGCCCTACCTGCCTCTGCCTGAGGTGCAGCA
 CGACTCTTACAGGATGAAGACATGCTCACACTTACCTGGTTCATTGCCTTGGCCTCTGTGCTTCTCTC
 TTCTCTGTCTGTGCTGCTGTTCTGTTGGGGTGGGCTTTCAGGAGGGTTCAGGGAGGCTCTCTGGGTG
 CCTGCTGTGCCCGAGGGACACTTTTCTGGCCACTTGTGGATGTCAGCGGTATGGGGACATTGCCCCA
 GAGCTACCAGTATGAGGTGTGCTGAGCGGAGACTCTGGGACAACAGATTTCAAATTCCTGAACCATTAT
 TCACA**ATAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_053131
Insert Size: 2319 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_053131.1 , NP_444361.1
RefSeq Size:	2319 bp
RefSeq ORF:	2319 bp
Locus ID:	93877
UniProt ID:	Q91XZ4
Cytogenetics:	18 B3
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]