

## Product datasheet for **MC221583**

### **Pcdhb8 (NM\_053133) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcdhb8 (NM_053133) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcdhb8
Synonyms:	Pcdhb5C; PcdhbH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221583 representing NM\_053133  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGACAGCGCTAACAAAAACGCCAGAGAAAAGGCAAGTCATTTTCCTTGCTATATTGTGCTTTTGT  
 GGGAGGCTAGTTCTGAGGCAATTAGCTATTCCATGCCAGAAGAAACGGAGAGTGGCTACTTGGTGGCTAA  
 CCTGGCACAAGATCTGGGGCTCAGGGTTGGGAACTGACCACTAGAGGGGCACGAATCCATCACAATGGT  
 AACAAAGAGCTCTTGAGCTTGTGAGAGAGAGGGAATTTGCTCCTGAAGGAAAAACCAGATCGCGAAG  
 CACTGTGTGGGGCAGACAACCTGTGTGCTGCACTTCCAGATCATACTAGAAAACCTGTGCACTTCTT  
 TCAAACAGACTTGCACTTACAGATATAAACGACCATTTCCAGAGTTCCCTGACACAGAAATGCTCCTA  
 AAAATTCAAGAAATTGCCAGCCAGGGACTGTGTTTCTCTGAAGGCAGCTCAGGACCCTGACATAGGGA  
 GCAACGCTGTTCCAGAACTACACAGTCAGTCCCAACCTCCATTTCCATGTCGTTACTCTCAGTCGCTCAGA  
 TGACAGGAAATACCCAGAGCTGGTGTGGACAGAGCCCTGGACAGGGAGGAGCAGCTGAACTCACTTTA  
 ATCCTCACTGCTCTGGATGGCGGAGCTCCACCCAAGTCTGGGACAACCACTGTTCCGATTGAAGTCGTGG  
 ACATCAATGATAATGCCCCCAAGTTCTTACAGTCACTCTATGCGGTGGAGGTCCTTGAGAACAGTCCCT  
 CAATGCCTTAGTTGCACTGTCTCTGCCAGGGATTTAGATGCTGGGATACATGGCAATGTAGCCTACTCT  
 CTGTTTCAAGGCGGGGAGGTCCTCAGCCATTTGTAATAGATGAAATCACAGGAGAAATTCGACTTAAAG  
 GGGCATTGGATTTTGAAGCAACTCATACTATACCATGGAATTTAGCCACAGACAGTGGTGGTCTTTT  
 AGGAAATGCACTGTAGCTATCCAGGTGTTGGATGTGAACGACAATGCCCTAAACTCACCATATCTTCC  
 CTCCTAGTTCATCCCAGAAAATGCTCCGAGGCTGTAGTTGCTGTTTTCACTGTCTCTGACCCAGAT  
 CGGGGGACAATGGAAGGATGGTGTGTTCAATTCAGAACGACTTCCATTTCTTTTAAACCCACATCAA  
 GAACTTTTACACCTTAGTCACGGAGAGACCCCTGGATAGAGAGCAACGCTGAGTACAACATCACAATC  
 ACGGTCTCTGACCTGGGCACACCCAGGCTCACAACCCAGCACACCATAACAGTGCAAGTGTCCGACATCA  
 ACGATAATGCTCCTGCCTTCACTCAAACCTCTTACACCTTGTGTTTGTTCACGAGAACAACAGCCCTGCCCT  
 GCACATAGGCACCATCAGCGCCACAGACTCAGACTCTGGCTCCAATGGCCTTATTATCTACTCGTTGCTG  
 CCGCCCATGACCAGCAGCTGGGCCTTGCTCGCTGATCTCCATCAACTCAGACAACGGGCAGCTGTTT  
 CGCTCAGGGCGCTGGACTACGAGGCCCTGCAGGCCTTCGAGTTCACGTGGGCGCCACAGACAGAGGCTC  
 GCCCGGCTCAGCTCAGAGGCTCTGGTGCCTGTAGTGGTCTGGATGACAATGACAATGCGCCCTTCGTG  
 CTCTACCCACTGAAAACGCTTCTGCGCCCTGCACTGAGCTGCTGCCAGGGCTGCGGAGCTGGCTACC  
 TGATACCAAGGTGGTGGCAGTGGACCCGACTCTGGCCAGAATGCCTGGCTGTCAATCCAGCTGCTCAA  
 GGCCACAGAGCCCGGGCTGTTACAGCTGTGGGCGCACAATGGCGAAGTGGCACCACCAGGCTGCTGAGC  
 GAGCGAGATGCACCAAGCACAGGCTGCTGCTGGTCAAGGACAATGGAGAGCCTCTGCGCTCTGCTA  
 GTGTCATGCTGCAGGTGCTAGTGGTGGATGGCTTCTCTCAGCCCTACCTGCCTCTGCCAGAGGTGGCGCT  
 CAACCCACACAGGAAGAAGACATGCTCACTCTATCTGTTATTGCCTTGGCTTCTGTGCTTCACTT  
 TTCTCTTGTCTGTGCTGCTGTTTGTGGGGTGAAGTTGTGCAAGAAGGCCAGGGAGGCTTCTCTGGCTG  
 ACTGCTCTATTCTGAGGGACACTTTCTAGCCACTTGGTGGATGTCAGTGGTGGGGGACCTTATCCCA  
 GAGTTACCATTATGAGGCTGTCTGACTGAGGACTCTGGGACCTCAGATTTCAAGTTCATGAACCCATT  
 ATTCTAGTAGTCTCCTCAGGACTCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_053133  
**Insert Size:** 2340 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_053133.1</a> , <a href="#">NP_444363.1</a>
<b>RefSeq Size:</b>	2340 bp
<b>RefSeq ORF:</b>	2340 bp
<b>Locus ID:</b>	93879
<b>UniProt ID:</b>	<a href="#">Q91XZ2</a>
<b>Cytogenetics:</b>	18 B3
<b>Gene Summary:</b>	Calcium-dependent cell-adhesion protein involved in cells self-recognition and non-self discrimination (Probable). Thereby, it is involved in the establishment and maintenance of specific neuronal connections in the brain (PubMed:27161523).[UniProtKB/Swiss-Prot Function]