

Product datasheet for **MC222804**

Pcdh20 (NM_178685) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh20 (NM_178685) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcdh20
Synonyms:	C630015B17Rik; PCDH1; Pcdh13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222804 representing NM_178685
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCGGCCGAGGGAACGCGCGCAGCTTGTGGTCCAGGCAGTGTGAGCTTGCGCCGGCGACCTGGCACC
 CGTGCCTGGATATGGGGCATCTACATCGTCCCAGCAGCAGGACCAGCCACAGGAACCTGCCGCATGTTTT
 TCTGCTTTTCTTCTCGTGGGACCTTCAATTGCCTCGCGAGTTACAGCCGTGCTACCGAGCTTCTGTAC
 AGCCTAAATGAGGGACTGCCCGCCGAGTGCTCATAGGCAGCCTGGCGGAGGACCTGAGGCTGTGCCTC
 GGGCCTCTGGGAGACAGAACCAGCAGTTGCTGCATCCAGAGCGCACTGCCTCTGAGGGGAACCCCTCT
 CTCTTTCAGCTTGGCCTCCGGGGGACTGAGTGGCCAGTATGTGACCCTAAACAACCGCTCCGGCGAGCTG
 CACACTTCTGCACAGGAGATCGACAGAGAAGCATTGTGCCTGGATGGGGCGGTGGGGCTGCCTGGGCCG
 GCAGTACCTCCATTGCCTCCTCCTTCTCTGACTCTTGCCCTTTGCTTCTGGACGTGCTGGTCTGCC
 TCAGGAATATTTTCGGTTTGTGAAGGTGAAAATTGCCATCAGGGATATCAATGACAATGCTCCGCAGTTC
 CCCATTTCTGAAATCTCTGTTTGGGTCCCAGAAAATTCACCTGTAATACCCGATTGGCTATAGAGCATC
 CTGCTGTGGACCCTGATGTAGGCATTAACGGTGTGCAAACCTATCGCTTACTAGACTACCATGGCATGTT
 TACCCTGGACGTGGAGGAGAATGAGAACGGGGAGCGCACACCCTACTTGATTGTCATGGGTGCTTTGGAC
 AGAGAAACCCAGGACCAGTATGTGAGCATCATATAGCTGAGGATGGTGGGTCTCCACCCTGCTGGGCA
 GTGCCACCCTCACCATTGGCATAAGTGACATTAATGACAATTGCCTCTCTTTATAGACTCACAAATTA
 TGTACCGTTTATGGGAATGCTACAGTGGGCACCCAGTTGCAACAGTCCAGGCTGTGGATAGAGACTTG
 GGGACAAATGCACAGATCACTTACAGTTACAGCCAGAAAGTTCCACAGGAAACCAAGGATTTATCCACC
 TGGATAAGTTACTGGAGTCATTAAGCTTCCAGTAAGATTGGCGGGAGTGTCTACAGACACATAAGCT
 CACCATCCTAGCTAATGGACCTGGCTGTATCCCTGCAGTGATCACTGCTCTTGTATCGATCATCAAAGTC
 GTTTTCAGACCCCAAGAAATCGTCCCACGTTATATCGCAATGAGGTGGATGGTGTGTGTACCTGAAAG
 AACTGGAGCCTGTTAATACTCCAATTGCGTTTTTTACCATCAGAGATCCAGAAGGTAATAACAAGATTAA
 CTGCTTCTGGATGGTGAAGGGCATTACGGCTGGCACCCACAAGCCGTAACAATGAATATTTGTTG
 GAGACCACAAAGCCTATGGACTATGAAGTGCAGTCTTCTATGAAATAGCTGTAGTGGCCTGGAACCTCAG
 AGGGATTTTCAATGCAAGAGAATCATTAAAGTACAACCTTTAGACGACAATGACAATGCCCTGTTTTCT
 TCAGCCCTTGATAGAATTGACCATTGAAGAAAACAACGCACCCAATGCCTTTCTGACAAAGCTCTACGCT
 ACAGATGCTGACAGTGGAGAGATGGGACGAGTTTCTACTTCTTGGGACCTGATGCTCCGTCATACTTTT
 CCTTAGACAGTGTACAGGGATTCTGACAGTTTCTACTCAGCTGGACAGAGAAGAGAAAGAGAAGTACAG
 GTATACTGTCCGAGCAGTGGACTGTGGGACGCCACCCAGAGAATCAGTGGCTACAGTGGCCCTCACTGTG
 TTGGATAAAAAATGACAACAGTCCGAGGTTCAACAAGGACTTCAGCTTTTTTGTCCCAGAAAACCTTTC
 CGGGGTATGGTGAATTTGGAGTCATCAGTGTAAACAGATGCCGATGCTGGAAGGAACGGATGGGTAGCCCT
 GTCCGTAATGAACCAGAGTGACATTTTTGTGATAGACACAGGCAAGGGTATGTTGAGAGCTAAAGTCTCT
 TTAGACAGAGAACAGCAAAGCTTTACTCTGTGGGTGGAGGCTGTTGACGGGGGTGAGCCTGCCCTTT
 CCTCTACCACAAAAATCACAATCTTCTTCTGGACATCAACGATAACCCCTCTTGTGTTTTATTCCCTCA
 ATCTAATATGCTTATTTGCTGGTCTACCTTCTACTCTCCCTGGCTCACCAGTAACAGAAGTCTATGCG
 GTTGACAAAGACACAGGCATGAATGCTGTATAGCTTATAGCATCATAGGAGAAGAGGTTCCAGGCCTG
 AGTCTTTTCAAGAAATGACCCCAAGACTGGCAACATCACTCTGGAGGAAGCCTTGCTTCAGACAGATTATGG
 GTTGCATCGCTTACTGGTGAAGTGAAGTATCACGGATACCCTGAGCCTCTCCACTCCACAGTATGGTG
 AACTTATTTGTCAATGACACTGTGAGTAAACGAGAGCTACATTGAGAGCCTTTTGAGAAAGGAGCCAGAAA
 TTAATATAGAAGAGAAAGAACCACAAATCTCAATAGAGCCAACCTCATAGGAAGGTAGAATCTATGCTCTG
 TATGCCACATTGGTAGCTCTGTGAGTATAAGCTTGGGCTCCATCACACTAGTTACAGGGATGGGAATA
 TACATCTGCTTACGGAAGGTAAAAGCATCACAGGGAAGATGACAATTTGGAAGTACAGATTCCATTGA
 AAGGAAAAATTGACTTGTGTATGAGAGAGAAAAACAGTGGATATTTTAACTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_178685
Insert Size:	2859 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_178685.5 , NP_848800.3
RefSeq Size:	5237 bp
RefSeq ORF:	2859 bp
Locus ID:	219257
UniProt ID:	Q8BIZ0
Cytogenetics:	14 E1
Gene Summary:	This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The encoded protein contains six extracellular cadherin domains, a transmembrane domain, and a cytoplasmic tail differing from those of the classical cadherins. The encoded protein may play a role in cell adhesion in the nervous system and has been shown to be specifically expressed in newly differentiated olfactory sensory neurons and their axons during development. In adult mice, the expression of this protein in the olfactory system is more restricted but shows a gender difference with higher expression in the male than in the female. [provided by RefSeq, Sep 2009]