

Product datasheet for **MG218597**

Pcdh20 (NM_178685) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh20 (NM_178685) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcdh20
Synonyms:	C630015B17Rik; PCDH1; Pcdh13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218597 representing NM_178685
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCGGCCGAGGGAACGCGCGCAGCTCGCTGGTCCAGGCAGTGAAGCTTGCGCCGGCGACCTGGCACC
 CGTGCCTGGATATGGGGCATCTACATCGTCCCAGCAGCAGGACCAGCCACAGGAACCTGCCGCATGTTTT
 TCTGCTTTTCTCTTCGTTGGGACCTTCAATTGCCTCGCGAGTTACAGCCGTGCTACCGAGCTTCTGTAC
 AGCCTAAATGAGGGACTGCCCGCCGAGTGCTCATAGGCAGCCTGGCGGAGGACCTGAGGCTGCTGCCTC
 GGGCCTCTGGGAGACAGAACCAGCAGTTGCTGCATCCAGAGCGCACTGCCTCTGAGGGGAACCCCTCT
 CTCTTTCAGCTTGGCCTCCGGGGGACTGAGTGGCCAGTATGTGACCCTAAACAACCGCTCCGGCGAGCTG
 CACACTTCTGCACAGGAGATCGACAGAGAAGCATTGTGCCTGGATGGGGCGGTGGGGCTGCCTGGGCCG
 GCAGTACCTCCATTGCCTCCTCCTTCTCTGACTCTTGCCCTTTGCTTCTGGACGTGCTGGTCTGCC
 TCAGGAATATTTTCGGTTTGTGAAGGTGAAAATTGCCATCAGGGATATCAATGACAATGCTCCGCAGTTC
 CCCATTTCTGAAATCTCTGTTTGGGTCCAGAAAATTCACCTGTAATACCCGATTGGCTATAGAGCATC
 CTGCTGTGGACCCTGATGTAGGCATTAACGGTGTGCAAACCTATCGCTTACTAGACTACCATGGCATGTT
 TACCCTGGACGTGGAGGAGAATGAGAACGGGGAGCGCACACCCTACTTGATTGTCATGGGTGCTTTGGAC
 AGAGAAACCCAGGACCAGTATGTGAGCATCATATAGCTGAGGATGGTGGGTCTCCACCCTGCTGGGCA
 GTGCCACCCTCACCATTGGCATAAGTGACATTAATGACAATTGCCTCTCTTTATAGACTCACAAATTA
 TGTACCGTTTATGGGAATGCTACAGTGGGCACCCAGTTGCAACAGTCCAGGCTGTGGATAGAGACTTG
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 TATGCCACATTGGTAGCTCTGTCAGTATAAGCTTGGGCTCCATCACACTAGTTACAGGGATGGGAATA
 TACATCTGCTTACGGAAGGTAAAAGCATCACAGGGAAGATGACAATTTGGAAGTACAGATTCCATTGA
 AAGGAAAAATTGACTTCTGTATGAGAGAGAAAAACAGTGGATATTTCTAACATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218597 representing NM_178685
 Red=Cloning site Green=Tags(s)

MRGRGNARSSLVQAVSLRPATWHPCLDMGHLHRPSSRTSHRNLPHVLLFLVGPFNCLASYSRATALLY
 SLNEGLPAGVLIGSLAEDLRLPRASGRQNLHPERTASEGNPPLSFLASGGLSGQYVTLNNSGEL
 HTSAQIDREALCLDGGGAAWAGSTSIASSPSSDCLLLLDVLPQYFRFVKVIAIRDINDNAPQF
 PISEISVWVPENSPVNTRLAIEHPAVDPDVINGVQTYRLLDYHGMFTLDVEENENGERTPYLIVMGALD
 RETQDQYYSIII AEDGGSPLLGSATLTIGISDINDNCPFLIDSQINVTYVGNATVGTVPVAVQAVDRDL
 GTNAQITYSYSQKVPQETKDLFHLDEVTGVIKLSKIGGSVLQTHKLTILANGPGCIPAVITALVSIKIV
 VFRPPEIVPRYIANEVDGVVYLKELEPVNTPIAFFTIRDPEGKYKINCFLDGEGPFRAPYKYPYNNEYLL
 ETTKPMDEYVQSFYEIAVVAWNSEGFHVKRIKIVQLDDNDNAPVFLQPLIELTIEENNAPNAFLTKLYA
 TDADSGEMGRVSYFLGPDAPSYFLDSVTGILTVSTQLDREEKEKYRYTVRAVDCGTPPRESVATVALTV
 LDKNDNSPRFINKDFFVFPENFPYGEIGVISVTDADAGRNGWVALSVMNQSDIFVIDTGKMLRAKVS
 LDREQQSSYTLWVEAVDGGEPALSSTTKITILLDINDNPLVLPQSNMSYLLVLPSTLPGSPVTEVYA
 VDKDTGMNAVIAYSIIGRRGPRPESFRIDPKTGNITLEEALLQTDYGLHRLLVKVSDHGYPEPLHSTVMV
 NLFVNDTVSNESYIESLLRKEPEINIEEKEPQISIEPTHRKVESMSCMPTLVALSVISLGSITLVTGMGI
 YICLRKGGKHHREDDNLEVQIPLKGIKIDFCMRERKPVDISNI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

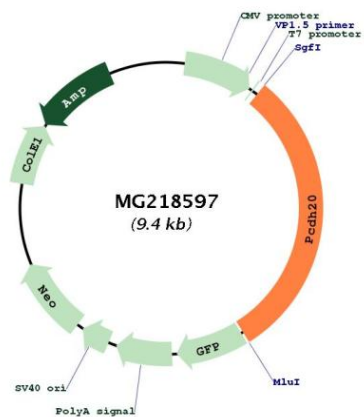


ACCN: NM_178685

ORF Size: 2856 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:	<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]

Product images:



Circular map for MG218597