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Product datasheet for MC223758

Pcdh17 (NM_001013753) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh17 (NM_001013753) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcdh17
Synonyms:	C030033F14Rik; Gm78
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC223758 representing NM_001013753
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTACCTTTCCATCTGTTGCTGCTTCCTTTTGTGGGCCCCTGCCCTGACACTCAAAAACCTCAATTACT
CAGTGCCAGAGGAGCAAGGGGCCGGCACGGTGATTGGCAACATCGGCAAGGATGCCCGACTGCAGCCCGG
GCTTCCGCCGGCTGAGCGCGGCAGCGGCAGCGGGAGGAGCAAGTCTGGCAGTTACCGGGTGCTGGAGAAC
TCCGCACCGCATCTGCTGGACGTGGACGCCGACAGCGGGCTCCTCTACACCAAACAGCGCATCGACCGTG
AGTCCTTATGCCGCCACAATGCCAAGTGCCAGCTCTCCCTAGAGGTTTTCGCTAACGACAAGGAGATTTG
CATGATCAAGGTAGAGATCCAGGACATCAACGACAACGCTCCCTCTTTCCCCTCGGATCAGATAGAAATG
GACATCTCAGAGAACGCGGCACCCGGCACCCGCTTCCCCCTCACGAGCGCACACGACCCAGACGCTGGCG
AGAACGGGCTCCGCACCTATCTGCTCACCCGCGATGATCATGGCCTCTTTGCCCTGGACGTCAAGTCCCG
CGGCGACGGCACCAAGTTCCCAGAGCTGGTCATCCAAAAGGCACTGGACCGCGAGCTGCAGAACCACCAC
ACTCTGGTGCTGACCGCCCTAGATGGCGGGGAGCCTCCACGCTCCGCCACCGTACAGATCAATGTGAAGG
TGATCGATTCCAATGACAACAGTCCAGTCTTCGAGGCTCCGTCATACTTGGTGGAACTGCCCGAGAACGC
TCCACTGGGTACCGTGGTCATTGATTTGAACGCCACTGATGCTGATGAAGGTCCCAACGGAGAAGTCCTC
TACTCCTTCAGCAGCTATGTGCCCGACCGCGTGCGGGAGCTCTTCTCCATCGATCCTAAAACTGGCCTGA
TCCGCGTTAAGGGCAACCTGGACTATGAGGAGAACGGCATGTTGGAGATCGACGTGCAGGCCAGAGACCT
AGGACCTAACCCAATCCCAGCCCACTGCAAGGTCACAGTCAAGCTTATCGACCGGAACGATAACGCGCCG
TCCATTGGTTTCGTCTCCGTGCGCCAGGGGGCGCTGAGTGAGGCCGCCCCGCCCGGCACAGTCATCGCCC
TAGTGCGGGTCACTGACCGGGACTCAGGCAAGAATGGGCAGCTTCAGTGTCGGGTTCTAGGTGGAGGAGG
GACTGGAGGTGGCCTGGGGGGTCCCGGTTCCGTCCCCTTCAAGCTTGAAGAGAACTATGACAACTTCTAT
ACCGTGGTGACTGACCGTCCACTGGACCGTGAGACACAAGACGAGTACAATGTGACCATTGTGGCCCGGG
ACGGGGGCTCCCCTCCACTTAACTCCACCAAGTCCTTCGCCGTCAAGATTCTGGATGAGAATGACAATCC
GCCTCGGTTCACCAAAGGACTTTACGTGCTCCAAGTACACGAGAACAACATTCCAGGAGAATACCTCGGG
TCAGTGCTAGCCCAGGATCCCGACCTGGGCCAAAATGGGACAGTGTCATACTCCATTCTTCCTTCACACA

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TCGGCGACGTGTCTATTTACACCTATGTGTCCGTGAACCCCACTAACGGGGCCATATATGCCCTACGCTC
CTTTAACTATGAACAAACGAAGGCTTTTGAATTCAAAGTACTGGCTAAGGACTCAGGGGCGCCAGCGCAC
TTGGAGAGCAACGCCACGGTGAGGGTGACGGTTTTAGACGTGAACGACAACGCTCCAGTGATTGTGCTTC
CCACGCTACAGAATGACACAGCTGAGCTGCAGGTCCCGCGCAATGCTGGCCTGGGGTACCTGGTAAGCAC
CGTGCGCGCCCTGGACAGCGACTTTGGAGAGAGCGGGCGCCTCACCTATGAGATCGTGGATGGCAACGAT
GACCACCTGTTTGAGATCGATCCGTCCAGCGGCGAGATCCGCACGCTGCACCCCTTCTGGGAGGATGTGA
CCCCAGTGGTGGAGCTTGTGGTGAAGGTGACCGATCATGGCAAGCCCACCCTTTCCGCTGTGGCCAAACT
TATCATCCGCTCAGTGAGCGGCTCCCTGCCTGAAGGGGTACCGCGAGTGAATGGCGAGCAGCACCACTGG
GACATGTCCCTGCCTCTCATAGTGACACTGAGCACGATTTCTATCATCCTCCTAGCGGCCATGATCACCA
TCGCTGTCAAGTGTAAACGGGAAAACAAGGAGATTCGCACTTACAACTGCCGCATCGCCGAGTACAGCCA
CCCTCAGCTAGGCGGGGGGAAGGGCAAGAAGAAGAAAATCAACAAAAACGATATCATGCTGGTGCAGAGC
GAGGTGGAGGAGAGGAACGCCATGAACGTCATGAACGTGGTGAGCAGTCCCTCCCTGGCCACCTCCCCTA
TGTACTTCGACTACCAAACCCGCCTGCCCCTCAGCTCGCCCCGGTCAGAGGTGATGTATCTTAAGCCAGC
CTCCAACAACCTGACTGTCCCGCAGGGGCACGCAGGCTGCCACACCAGCTTCACCGGACAAGGGACTAAT
TCGAGCGAGACCCCTGCCACTCGGATGTCCATAATTCAGACAGACAATTTTCCCGCAGAGCCCAATTACA
TGGGCAGCAGGCAGCAGTTTGTTCAAAGTAGCTCCACGTTTAAGGACCCAGAAAGAGCCAGCCTGAGAGA
CAGTGGGCACGGGGACAGCGATCAGGCGGACAGTGACCAAGACACTAACAAAGGCTCCTGCTGTGACATG
TCGGTTAGGGAGGCACTCAAGATGAAAACTACTTCAACTAAAAGTCAGCCACTCGAACAAGAACCAGAAG
AGTGCATTAATTGCACAGATGAATGCCGAGTGCTTGGTCATTCTGATAGGTGTTGGATGCCACAGTTCCC
TGCAGCCAATCAGGCTGAAAATGCAGATTACCGCACAAATCTCTTTGTACCCACAGTTGAAGCTAATGTT
GAGACTGAGACTTACGAAACTGTGAATCCCACTGGGAAAAAGACTTTTTGTACATTTGGAAAAGACAAGC
GAGAGCACACTATTCTCATTGCCAATGTGAAACCTTATTTAAAAGCCAAACGTGCCCTGAGCCCTCTCCT
CCAAGAGGTCCCCTCAGCATCTAGCAGCCCAACCAAGGCATGCATTGAGCCTTGCGCCTCAACAAAAGGC
TCCCTGGATGGCTGTGAAGCAAAACCTGGGCCCTTAGCAGAAGCAAGCAGCTCCTACCTGCCCACTGACA
GTCAGTACCCTTCACCCAGTAAGCAACCAAGAGACCCTTCCTTCATGGCTTCTGATCAGATGGCAAGGGT
CTTCGCGGATGTGCATTCCAGAGCCCGTAGGGCTTCCAGCGAGATGGGAGCTGTGTTGGAGCAGCTGGAG
CAGCCCAACAGGGATCTGGGCCGAGAGTCCGTGGATGCCGAAGAAGTTGTGAGAGAGATTGATAAGCTCT
TGCAGGACTGCCGGGGAAATGACCCTGTGGCTGTGAGAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001013753

Insert Size: 3474 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

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:	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_001013753.2, NP_001013775.2
RefSeq Size:	9509 bp
RefSeq ORF:	3474 bp
Locus ID:	219228
Cytogenetics:	14 D3
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 the establishment and function of specific cell-cell connections in the brain. [provided by RefSeq, Sep 2009]