

Product datasheet for **SC216538**

PCDHGA1 (NM_018912) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PCDHGA1 (NM_018912) Human 3' UTR Clone
Symbol:	PCDHGA1
Synonyms:	PCDH-GAMMA-A1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_018912
Insert Size:	1832 bp



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Insert Sequence: >SC216538 3'UTR clone of NM_018912
The sequence shown below is from the reference sequence of NM_018912. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGAAAGTCGGGCAAGAAGGAGAAGAAGTAAACATGGAGGCCAGGCCAAGAGCCACAGGGCGGCCTCTCCC
CAACCAGCCCAGCTTCTCCTTACCTGCACCCAGGCCTCAGAGTTTCAGGGCTAACCCCCAGAATACTGG
TAGGGGCCAAGGCCATGCTCCCTTGGGAAACAGAAACAAGTGCCAGTCAGCACCTACCCCTTCCCCC
CCAGGGGGTTGAATATGCAAAAGCAGTTCCGCTGGGAACCCCATCCAATCAACTGCTGTACCCATGGG
GGTAGTGGGGTTACTGTAGACACCAAGAACCATTGCCACACCCCGTTTGTAGTACAGCTGAACCTCTCC
ATCTTCCAATCAATCAGGCCCATCCATCCCATGCCTCCCTCTCCCAACCCACTCCAACAGTTCTCTC
TTTCCCGAGTAAGGTGGTTGGGGTGTGAAGTACCAAGTAACCTACAAGCCTCCTAGTTCTGAAAAGTT
GGAAGGGCATCATGACCTCTTGGCTCTCCTTTGATTCTCAATCTTCCCAAGCATGGTTTGGTGCC
AGCCCCCTCACCTCCTTCCAGAGCCCAAGATCAATGCTCAAGTTTGGAGGACATGATCACCATCCCCA
TGGTACTGATGCTTGTGGATTTAGGGAGGGCATTGTTGCTACCAAGCCTCTTCCCAACGCCTGGGGAC
CAGTCTTCTGTTTTGTTTTTATTGTTTGACGTTTCCACTGCATGCCTTGACTTCCCCACCTCCTCCT
CAAACAAGAGACTCCACTGCATGTTCCAAGACAGTATGGGGTGGTAAGATAAGGAAGGGAAGTGTGTGG
ATGTGGATGGTGGGGGCATGGACAAAGCTTGACACATCAAGTTATCAAGGCCTTGGAGGAGGCTCTGTA
TGTCCTCAGGGGACTGACAACATCCTCCAGATTCCAGCCATAAACCAATAACTAGGCTGGACCCTTCCC
ACTACATAATAGGGCTCAGCCCAGGCAGCCAGCTTTGGGCTGAGCTAACAGGACCAATGGATTAACTG
GCATTTCAAGTCCAAGGAAGCTCGAAGCAGGTTTAGGACCAGGTCCCTTGAGAGGTCAGAGGGGCCTCT
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CAGGTGCCGTTTCTTCCGTGAAGGCCACTGCCAGGTCCCAAGTGCAGCCCCCTAGTGGCCATAGCCT
GGTTAAAGTTCCCAGTGCCTCCTTGTGCATAGACCTTCTTCCCAACCCCTTCTGCCCTGGGTCCC
CGGCCATCCAGCGGGGCTGCCAGAGAACCCAGACCTGCCCTTACAGTAGTGTAGCGCCCCCTCCTCT
TTCGGCTGGTGTAGAATAGCCAGTAGTGTAGTGGGTGTGCTTTTACGTGATGGCGGGTGGGCAGCGGG
CGGCGGGCTCCGCGCAGCCGTCTGTCCTTGATCTGCCCGCGGCGCCGTTGTGTTTTGTGCTGTGT
CCACGCGCTAAGGCGACCCCTCCCCGTACTGACTTCTCCTATAAGCGCTTCTCTTCGCATAGTACG
TAGCTCCCAACCCACCTCTTCTGTGTCTACGCAAGTTTTATACTCTAATATTATATGGCTTTTTT
TCTTCGACAAAAAATAATAAACGTTTCTTCTGAAAA
ACGCGTAAGCGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCGCCTTCTATGAAAGG

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Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_018912.3](#)

Summary:

This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes. [provided by RefSeq, Jul 2008]

Locus ID:

56114

MW:

65.4