

## Product datasheet for **SC216553**

### PCDHGB5 (NM\_018925) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PCDHGB5 (NM_018925) Human 3' UTR Clone
Symbol:	PCDHGB5
Synonyms:	PCDH-GAMMA-B5
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_018925
Insert Size:	1832 bp



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**Insert Sequence:** >SC216553 3'UTR clone of NM\_018925  
The sequence shown below is from the reference sequence of NM\_018925. 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
CCAGGGGGTTGAATATGCAAAAGCAGTTCGCTGGGAACCCCATCCAATCAACTGCTGTACCCATGGG
GGTAGTGGGGTTACTGTAGACACCAAGAACCATTGCCACACCCCGTTTGTGTACAGCTGAACCTCTCC
ATCTTCCAATCAATCAGGCCCATCCATCCCATGCCTCCCTCTCCCAACCCACTCCAACAGTTCCTC
TTTCCCGAGTAAGGTGGTTGGGGTGTGAAGTACCAAGTAACCTACAAGCCTCCTAGTTCTGAAAAGTT
GGAAGGGCATCATGACCTCTTGGCTCTCCTTTGATTCTCAATCTTCCCAAGCATGGTTTGGTGCC
AGCCCCCTCACCTCCTTCAGAGCCCAAGATCAATGCTCAAGTTTGGAGGACATGATCACCATCCCCA
TGGTACTGATGCTTGTGGATTTAGGGAGGGCATTGTTGCTACCAAGCCTCTTCCCAACGCCTGGGGAC
CAGTCTTCTGTTTTGTTTTTATTGTTTGACGTTTCCACTGCATGCCTTGACTTCCCCACCTCCTCCT
CAAACAAGAGACTCCACTGCATGTTCCAAGACAGTATGGGGTGGTAAGATAAGGAAGGGAAGTGTGTGG
ATGTGGATGGTGGGGGCATGGACAAAGCTTGACACATCAAGTTATCAAGGCCTTGAGGAGGCTCTGTA
TGTCCTCAGGGGACTGACAACATCCTCCAGATTCCAGCCATAAACCAATAACTAGGCTGGACCCTTCCC
ACTACATAATAGGGCTCAGCCCAGGCAGCCAGCTTTGGGCTGAGCTAACAGGACCAATGGATTAACTG
GCATTTCAAGTCCAAGGAAGCTCGAAGCAGGTTTAGGACCAGGTCCCTTGAGAGGTCAGAGGGGCTCT
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CAGCCAGGCCATTCTTAGTCCCTGGGTTGGGGAGGCAGGGAGCTAGGGCAGGGACCAATGAACAGAAA
GTCTCAGCCCAGGATGGGGCTTCTTCAACAGGGCCCTGCCCTCCTGAAGCCTCAGTCTTCACCTTGC
CAGGTGCCGTTTCTTCCGTGAAGGCCACTGCCAGGTCCCAAGTGCAGCCCCCTAGTGGCCATAGCCT
GGTTAAAGTTCCCAGTGCCTCCTTGTGCATAGACCTTCTTCCCAACCCCTTCTGCCCTGGGTCCC
CGGCCATCCAGCGGGGCTGCCAGAGAACCCAGACCTGCCCTTACAGTAGTGTAGCGCCCCCTCCTCT
TTCGGCTGGTGTAGAATAGCCAGTAGTGTAGTGGGTGTGCTTTTACGTGATGGCGGGTGGGCAGCGGG
CGGCGGGCTCCGCGCAGCCGTCTGTCCTTGATCTGCCCGCGGCGCCCGTGTGTGTTTTGTGCTGTGT
CCACGCGCTAAGGCGACCCCTCCCCGTACTGACTTCTCCTATAAGCGCTTCTCTTCGATAGTACG
TAGCTCCCAACCCACCTCTTCTGTGTCTACGCAAGTTTTATACTCTAATATTATATGGCTTTTTT
TCTTCGACAAAAAATAATAAACGTTTCTTCTGAAAA
ACGCGTAAGCGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCGCCTTCTATGAAAGG
  
```

**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\\_018925.3](#)

**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:**

56101

**MW:**

65.4