

Product datasheet for **SC210400**

Protocadherin beta 12 (PCDHB12) (NM_018932) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Protocadherin beta 12
Synonyms:	PCDH-BETA12
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_018932
Insert Size:	1306 bp



Insert Sequence:

>SC210400 3'UTR clone of NM_018932

The sequence shown below is from the reference sequence of NM_018932. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CCCCATTTTCAAGATAATTTGGGTTTCTGATAAAGAATGAAAAATAAACCTGTGTTTATGAATACATT
TATAATTAGGAAGTTATCGTGAGGTGCCTGTAAAGTAGTATTTTGTGACTCTCAAATACATACTCTTC
AAGTCAAGAAATAAATTTCTTTACATAGAAAAGGATACAGATTTAGTACCAAGAACACTTCACAAAGCA
GGAAATGTGCATGTGTAATGGTTTATGTCAAACAATTATGCTTAATATAAAGTCTATTAAGTGGTAAGT
CTTGTTTGAGATATTTTAAATTGCTTTCCATTGTTTTCAATATTTACTGTGACTTTTGTCTGAGTT
GATTAGAATGCTGTTCGAGTATACCTACCCTAGTTTCAGAAGCATAGATTGTAGTGACCTTTTAAAC
TTTATTTTTTAAAAAAGTTGTTTATGAATCATACACTATTTTCACTTTTAACTCTCAGAAGAAAC
ATATGTGACATGGTATTTTAGTAATGACCAATAGACGGTCTTAGAGATTGAGTAAGTTCACTAAGGTC
CACTAACTAATAAGTGACAAAAGTGAAGCATCCATCCTAGATCTGCCTGACTCTAAGTCAGTGACTTGC
TCCCATTCCTACTGTTTTGTGCTTGGATATCACCTGGCAAGTTTCTGCCTAACTAAAGAGAAGAAAA
GTTTTTATCGTATTCATACTACTGTTCAATCTTTATTTAGAAATAAATTTATCTATGATTTCAATTTT
TTATAAACCAAGTAATCTTGCTTTTCTGGGTAAATTTTCACTATTATTACTAATGCTCTGATCTGCCCA
AATCTTAAGTAAAAACAAAATTGAAAGAGCAACCTATGCCTTCTCATTGTCTCTGAACATATAACTA
TCATTTACAGAAAAGATTAATGGTCTGATTAGGAATAGTACATAATTTTGTGGCATTATTAGTTAA
TTATTTTCTTTACATTGTAGTATATTTCCAGAGTCACCCATGCTTACATTTGTAATATATTTTCTGAT
TTGAGAGTTTGTGTTTGTAGCAGTTTCTTACCTATACTGCACTGCTGAATCAGGAAAAATTAAGAAAA
GAATAGATTTAAATGTGTAATATCAAAGAGAAATATAGATGATCATTAAATTTTAAAGATTTTGGGGA
GTAAAGGAGAAGCATTGTTTGTAAAAATATATAACCGATTCTTATATTTAAATAGGTAATTTTGTCA
TAGTTGTGTTCTAAATATATTATAAAGTAGTGCCAGTAACCTAATAAAGCTAGTATTACTGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:

SgfI-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.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:

NM_018932.4

Summary:

This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections. [provided by RefSeq, Jul 2008]

Locus ID:

56124

MW:

51.9