

Product datasheet for **SC304636**

PCDHB11 (NM_018931) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	PCDHB11
Synonyms:	ME2; PCDH-BETA11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC304636 representing NM_018931.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGAACCAAGGGACACGCACTCAGCAGATAAGGCAAGTCCTGCTTCTTTGTTTTGCTCGGAATG
TCTCAGGCGGGCTCTGAAACCTGGAGCTTTTCTGTGGCAGAAGAAATGCAGAGCGGGAGTTTGTAGGC
AATCTGGCAAAGGACCTGGGGCTGAAGGTGAGAGAACTGTCTCACGGGGGGCTCGGGTGGTCTCTAAT
GATAAGAAACAGCGTTTGCAGCTGGACATAAACACTGGGGATTGTCTTAAAGTAAACACTAGACAGG
GAGGAGCTCTGCGGTTCCATCGAGCCTTGCCTGCTACATTTGCAGGTGTTAATGCAAAACCCACGCAG
TTTTTACAAATTGAGCTTCAGGTGAGGATATAATGATCACTCTCCCATCTTCTCGGAAAAACAATG
CTCCTAGAAATCCAGAGAACAGTCCGTTGGTGTCTGTCTTACTAGAAAGTGCAGAGGATTTAGAT
GTAGGAATCAATGCTGTAAGAGCTACACAATAAGCCCAACTCTCATTTTACATTAATAAGAGAGTC
ATTCCAGACAATAGGAAATACCCGAGTTAGTTCTGGACAAGGCGCTGGATTATGAAGAGCTCCCGGAG
CTCAGTTTCATCTCTGCTCTGGATGGTGGGTCCTCCAGGTCTGGAAGTGCCTTGGTCAGGGTG
GTGGTTGTGGACATTAATGACAACCTCCCTGAATTTGAGCAGGCTTTTTATGAGGTGAAGATTCCGGAG
AATAGCATCTTGGCTCGCTGATTTTGATTGTCTCAGCTTGGGATTTAGACTCTGGAACAAATGGTGAA
ATATGCTATACCTTTCCCATGCTCAGAAGATATTCGCAAGACATTTGAAATTAATCAAAAGTCTGGA
GAAATTACTTTAAGAGCACCTCTGGATTTTGAACGATTGAGTCATACTCAATAATCATTCAAGCCACA
GATGGGGGAGGACTTTTTGGAAAACTACAGTCATAATTCAGTGATAGATGTAATGACAATGCTCCT
GAAATCACTGTGTCATCAATTACAGTCCAATCCAGAAAAACGCCAGAGACCGTGGTTATGGTTTTT
AGTATCCAAGATATAGACTCTGGGACAACGGAAGAATTGTTTGTCCATTCCGGAAGACCTCCCATTC
GTGCTAAAACTTTCAGTTGAGAATTACTACAGTTGGAACAGAGAGACCACTGGACAGAGAGAGCACA
GCCGAGTACAATATCACCATCACCGTCACCGACTTGGGGATACCCAGGCTGAAAACCGAGCACAACACA
ACTGTGTTGGTCTCTGACGTCAATGACAACGCCCCACCTTACCCAAACCTCTACACCCTGTTCTGTC
CGCGAGAACAACAGCCCCGCTGCACATCGGCAGTGTGAGCGCTACAGACAGAGACTCAGGCACCAAC
GCCCAGGTCAACTACTCGCTACTCCGCCCCAGGACCTGCACCTGCCCTCGCTCCCTGGTCTCCATC
AACACAGACAACGGCCACCTGTTCCGCTCAGGTGCTGGACTACGAGGCCCTGCAGGCTTTTCGACTTC
CGCGTGGGCGCCACAGACCGCGCTCCCGGCTTTGAGCAGCGAGGCGCTGGTGCCTGCTGGTGTG
GACGCCAACGACAACCTCGCTTCTGCTGTACCCGCTGCAGAACGGCTCCGCGCCCTGCACCGAGCTG
GTGCCCCGGGCGGCGGAGCCGGCTACCTGGTGACCAAGGTGGTGGCGGTGGACGGCGACTCGGGCCAG
AACGCCTGGCTGTGCTACAGCTGTCAAGGCCACGGAGCCCGGGCTATTCCGGCGTGTGGGCGCACAAT
GGCGAGGTGCGCACCGCCAGGCTGCTGAGCGAGCGCGACGCGGCCAAGCACAGGCTGGTGGTGTGCTG
AAGGACAATGGCGAGCTCCGCGCTCGGCCACCGCCACGCTGCAAGTGTCTTGGTGGACGGCTTCTCC
CAGCCCTACCTGCCGCTCCCTGAGGCGGCACCGGCCAGGCCAGGCCGACTCGCTCACCCTACTTGTG
GTGGTGGCGTTGGCTCGGTGCTTCTGCTTCTTCTGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTG
TGCAGGAGGAGCAGGGCGGCTCGGTGGGAAGCTGCTCGGTGCTAAGGGCCCTTTCCAGGGCATCTG
GTGGAGCTGAGCGGCACCGGACCTTTCCAGAGCTACAGTACGAGGTGTGCTGACGGGAGGTTCC
GAGACAATGAATTCAAGTTCTAAAACCGTTATCCCTAATATCCAGGCAAAAGGTCTTGGGAAGAAT
AGTGAAGAAAACCTCCACCTTTGAAATAGCTTTGGATTAAATTTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGGAGTCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_018931

Insert Size:

2394 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_018931.2
RefSeq Size:	3271 bp
RefSeq ORF:	2394 bp
Locus ID:	56125
UniProt ID:	Q9Y5F2
Cytogenetics:	5q31.3
Protein Families:	Transmembrane
MW:	87.1 kDa
Gene 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]