

Product datasheet for **SC337129**

PCDHB6 (NM_001303145) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDHB6 (NM_001303145) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDHB6
Synonyms:	PCDH-BETA6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC337129 representing NM_001303145.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTCCTGAAAATATCAGAAATTAATATGCCAGGAAAGATATTTCTTTGAAAATGGCACAGATTTA
GACACCGGCAGCAACGGCCTTCAGAGGTACACAATCAGCTCCAACCCTCACTTCCACGTTCTCACCCGC
AATCGCAGCGAAGGCAGGAAGTTCCCGGAGCTGGTGTAGACAAAACCGTTGGACCGCAGGAGCAGCCC
CAACTCAGGCTAACGCTGATCGCGCTGGATGGCGGGTCTCCGCCCGGTGAGGGACCTCCGAGATTCAG
ATCCAGGTTTTGGACATCAATGACAACGTCGCCGAGTTTGTCTCAGGAGCTCTATGAAGCACAAGTCCTT
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GAACTCACCATGTCGTTCTTATCAGCCTCATCCAGAAAACCTACCAGAGATCACAGTGGCAGTTTTC
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GCCGAGTACAACATCACTATCACGGTCACTGATTTGGGGACCAAGGCTGAAAACCCAGCAGAGCATA
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GAAACAAATGAGTTCAAGTTCCTGAAGCCGATTATGCCAACTTCCCTCCTCAGGGCACTGAGAGAGAA
ATGGAAGAAACCCCACTCTCGGAATAGCTTCCCGTTTCAGTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001303145

Insert Size: 1977 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).

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_001303145.1](#)

RefSeq Size: 3061 bp

RefSeq ORF: 1977 bp

Locus ID: 56130

UniProt ID: [Q9Y5E3](#)

Cytogenetics: 5q31.3

Protein Families: Transmembrane

MW: 71.8 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. Unlike the alpha and gamma clusters, the transcripts from these genes do not share common 3' exons. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell neural connections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Transcript Variant: This variant (2) lacks a portion of the 5' region and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus than isoform 1.