

Product datasheet for **SC111354**

PCDHB6 (NM_018939) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDHB6 (NM_018939) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDHB6
Synonyms:	PCDH-BETA6
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_018939, the custom clone sequence may differ by one or more nucleotides

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ATGATGCAAACAAAGTACAGAACAAGAAAAGGCAAGTGGCTTTCTTCATTTTATTGATGCTTTGGGGAG
AGGTGGGTTCTGAATCGATTTCAGTATTCGGTATTGGAGGAGACAGAAAAGTGGCACGTTTGTGGCCAACTT
GACAAAGGACCTGGGACTGAGGGTGGGGAGCTGGCTTCGCGGGGCGCTCGGGTTGTTTTCAAAGGGAAC
AGACAACATTTGCAGTTTGATCCACAGACCCATGATTTACTGCTAAATGAAAAACTGGACCGGGAGGAGC
TGTGTGGCTCCACTGAGCCGTGTGTGCTACCTTTCCAAGTGTACTGGAAAAACCCCTTGACGTTTTTTCA
GGCTTCTTGGCAGTACAGAGATAAAATGACCACGCCCGGAATTCCTGCCAGAGAAATGCTCCTGAAA
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CAGGAAGTTCCCGGAGCTGGTGTAGACAAACCGTTGGACCGGAGGAGCAGCCCAACTCAGGCTAACG
CTGATCGCGCTGGATGGCGGGTCTCGCCCGGTGAGGACCTCCGAGATTAGATCCAGGTTTTGGACA
TCAATGACAACGTCCTCCGAGTTTGTCTCAGGAGCTATGAAGACAAGTCCCTGAGAACAACCCCTCGG
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TTTCAAGTCGATGACGTCACCAACCCCTTCGAAAATAAACGCAATCACAGGAGAAATTCGGCTGAGAAAGG
CTTTGGATTTTGGAGAAATTCAGTCTTATGACGTGGATGTTGAGGCTACAGATGGTGGAGGCCTATCAGG
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CATCGGCAGCGTCAGCGCCACAGACAGAGACTCAGGCATCAACGCCAGGTCACCTACTCGCTGCTGCCG
CCCCAGGACCCGCACCTGCCCTCTCTTCCCTGGTCTCCATCAACGCGGACAACGGCCACCTGTTTGCC
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CCACGCTGCACGTGCTCCTGGTGGACGGCTTCTCCAGCCCTACCTGCCTCTCCCTGAGGCGGCCCGGC
CCAAGCCAGGCCGACTCTCTACCGTCTACCTGGTGGTGGCGTTGGCCTCGGTGTCGTGCTCTTCCCT
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CCAGTACAAGGTGTGTCTGACGGGAGGCTCAGAAACAAATGAGTTCAAGTTCTGAAGCCGATTATGCC
AACTTCCCTCTCAGGGCACTGAGAGAGAAATGGAAGAAAACCCCACTCTCGGAATAGCTTCCCGTTCA
GTTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018939 unedited
 TATAGGCGGCCGCGACTTCGGCACGAGGAAAAACCAACGCTCGCAAGCAATTATTTAT
 GCATGCGGTCCACGCACTCAGTTTGAGAAACACTGACTCGACTTAAAAGTCTTTATAATG
 CTCAGATTTCTGAAATGCTATTGACCTGAAAACATCTCATGAAGTTATTAGTTTGAACGC
 GTGGTGGCGGTACAAGCTAAGAGAGTGAATGAAAGCTCTGCAGACTCGGTGGACTCCGTT
 TCATCCAGAAGCCAAGTAAAAATACAGACCAGTTTACAGCTAAAGCTGAGATAGATGTG
 TCCGGGAAGGTAGTCGTCGCCAGACAAGTTGTAAGAACGAATTTAAAAATCTCTGCAAAG
 ACATCCGAGAGGGTTCGAGGGTAGATGTGGTGATTGGGAGCTGAAAAGGATTTTTCTTCCG
 TATTCAGACATAATAGACATGATGCAAACATAAAGTACAGAACAAGAAAAGGCAAGTGCT
 TTCTTCATTTTATTGATGCTTTGGGGAGAGGTGGGTTCTGAATCGATTTCAGTATTCGTA
 TTGGAGGAGACAGAAAGTGGCACGTTTGTGGCCAATTGACAAAGGACCTGGGACTGAGG
 GTGGGGGAGCTGGCTTCGCGGAGCGCTCGGGTTGTTTTAAAGGGAACAGACAACATTTGC
 AGTTTGTCCACAGACCCATGATTTACTGCTAAATGAAAACTGGACCGGGAGGGAGCTG
 TGTGGCTCCACTGAGCCCGTGTGTGCTACCTTTCCAAGTGTACTGGNANACCCCTTGCA
 GTTTTTTCAGGCTTNCCTGCGAGTCAGAGATATAATGACCACGCCCGGAATTNCCCTGC
 AGAGAAATGCTCTGAAATATCAGAAATTAATGATGCCAGAAAAGATATTTNCTTTGAAAA
 TGGCACACGATTTAAACACCGGCAGNNACGGNCTTTTAAAGGTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018939 unedited
 NNTTTTACTCTGGACCGGCCGCAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTCATGGAAAGGATATTTTATTGTAAGAGGATATTACCATTTTCGCTGTAAT
 ACAATAGTTTTTTTTAAAAATCAATACTAAATGGTTAGTAACATTCAGCAAAATTTTATT
 AAGCACTTATAATGGGCACGACTTTTTTTTTAAAAAAGACCATCATGTTCTTACATGAG
 GCTCACAATAAGGGTGGACACTTCAGTAAAGTCTATAGTCACAAAAATTTTGGATGG
 ACTATTATGGGATACTAAAATATGCATAAGTATGAAGGGCTACTTTAGGGTTAAGCCATC
 ATTAGTCTTATTTTTAGGGTTACACACTGTAGGAGTTACTGCAAAAGGAGACATTGGAG
 GATTAATAATATCAGATCCTCACATTTTAAACAGTCTACATAGCAATAGGGAACAAC
 TCTTACCAATAGCTAAAAATACAATTTTACTTAAAGGATTTACAATACTTTTTTTGGGGG
 GGGGAAGAATAAATAATTTTAAATTTCAAAGCTTAAATTTATGCAAAATAAAAATTA
 TTGGTTTCAATGGCCAAGTCCCCTCAAGGGAAGTATAAACTACTAAGCATGAACAGGAA
 ATACTAAGATAACAGTTTCTTACTTTATATAAAATTTCAACCTAAAGAATAGAGGTA
 TAAACAAGAAACAGACCATGTAACCTTAAAGTAAAGAGATCTCCAAACATAAGTAAAGT
 TTAGTAAATAATCCAACACTTAACTGAACGGGAAGCTATTCCGAGAGTTGGGGTTTCT
 TNCATTTCTCTCANTGCCCTGAGGAGGGAAGTTGGGCATTATCGGCTCCAGGAACCTG
 AACTCATTNGTTTCTGACCTCCCGCAAACC

Restriction Sites:

NotI-NotI

ACCN:

NM_018939

Insert Size:

3670 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_018939.2](#), [NP_061762.1](#)

RefSeq Size: 3030 bp

RefSeq ORF: 2385 bp

Locus ID: 56130

UniProt ID: [Q9Y5E3](#)

Cytogenetics: 5q31.3

Domains: CA

Protein Families: Transmembrane

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 (1) represents the longer transcript and encodes the longer isoform (1). ##RefSeq-Attributes-START## RefSeq Select criteria :: based on conservation, longest protein ##RefSeq-Attributes-END## COMPLETENESS: complete on the 3' end.