

Product datasheet for **SC310107**

Protocadherin beta 13 (PCDHB13) (NM_018933) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Protocadherin beta 13 (PCDHB13) (NM_018933) Human Untagged Clone
Tag:	Tag Free
Symbol:	Protocadherin beta 13
Synonyms:	PCDH-BETA13
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018933, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCCAGCGGGAAGCTCATTTGCAGACAAAGGCAAGTCCTTTTTCTTTCTCCTT
TTGGGCTATCTCTGGCGGGCGCGGCGGAACCTAGAAGCTATTCTGTGGTGGAGGAACT
GAGGGCAGCTCCTTTGTACCAATTTAGCAAAGGACCTGGGTCTGGAGCAGAGGGAATTC
TCCAGGCGGGGGTTAGGGTTGTTTCCAGAGGGAACAACTACATTTGCAGCTCAATCAG
GAGACCGCGGATTTGTTGCTAAATGAGAAATTGGACCGTGAGGATCTGTGCGGTACACA
GAGCCCTGTGTGCTACGTTTCCAAGTGTGCTAGAGAGTCCCTTCGAGTTTTTCAAGCT
GAGCTGCAAGTAATAGACATAAACGACCACTCTCCAGTATTTCTGGACAAACAAATGTTG
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TTAGATGTAGGCCAAAACAATATTGAGAACTATAAATCAGCCCCAACTCCTATTTTCGG
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CTGGACCGAGAGGAAGAAGCTGAGCTCAGGTTAACACTCACAGCACTGGATGGTGGCTCT
CCGCCCAGATCTGGCACTGCTCAGGTCTACATCGAAGTCTGGATGTCAACGATAATGCC
CCTGAATTTGAGCAGCCTTTCTATAGAGTGCAGATCTCTGAGGACAGTCCGGTAGGCTTC
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TCACTTTTCCAAGCTTCAGAAGAGATTGGCAAAACCTTTAAGATCAATCCCTTGACAGGA
GAAATGAACTAAAAACAACCTCGATTTGAAAAAATTCAGTCTATGAAGTCAATATT
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GCGCCTGAAACTGTGGTTGCACTTTTTCAGTGTTCAGATCTTGATTTCAGGAGAAAATGGG
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TACACCTACTAACCGAGAGACCACTAGACAGAGAAAAGCAGAGCGGAATACAACATCACT
ATCACTGTCACTGACTTGGGGACCCCTATGCTGATAACACAGCTCAATATGACCGTGTG
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CGCGAGAACAACAGCCCCGCCCTGCACATCCGACAGCGTACAGGCTACAGACAGAGACTCA
GGCACCAACGCCAGGTCACTACTCGTGTGCTGCCGCCAGGACCCGCACCTGCCCTC
ACATCCCTGGTCTCCATCAACGCGGACAACGGCCACCTGTTCCGCCCTCAGGTCTCTGGAC
TACGAGGCCCTGCAGGGTTCCAGTTCGCGGTGGGCGCTTACAGCACGGCTCCCCGGCG
CTGAGCAGCGAGGCGCTGGTGCAGTGGTGGTGTGTTGACGCAACGACAACCTGCCCTTC
GTGCTGTACCCGCTGCAGAACGGCTCCGCGCCCTGCACCGAGCTGGTGGCCCGGGCGGCC
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TGCTGTGCTACAGCTGCTCAAGGCCACGGAGCTCGGTCTGTTCCGGCTGTGGGCGCAC
AATGGCGAGGTGCGCACCGCCAGGCTGCTGAGCGAGCGGACGCGGCAAGCACAGGCTG
GTGGTGTGGTCAAGGACAATGGCGAGCCTCCGCGCTCGGCCACCGCCACGCTGCACGTG
CTCCTGGTGGACGGCTTCTCCAGCCCTACCTGCCTCTCCCGAGGCGGCCCGACCCAG
GCCAGGCCGACTTGCTACCGTCTACCTGGTGGTGGCGTTGGCTCGGTGTCTTCGCTC
TCGGTGGTGTGCTGCTTGGTGGCGAGGGCCCCCTTCCAGGGCATCTTGTGGACATGAGC
GGCACCAGGACCCATCCAGAGCTACCAAGTATGAGGTGTGTCTGGCAGGAGGCTCAGGG
ACCAATGAGTTCAAGTCTGAAGCCGATTATCCCAACTTCCCTCCCCAGTCCCTGGG
AAAGAAATACAAGGAAATTCTACCTTCCCAATAACTTTGGGTTCAATATTCAGTGA

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Restriction Sites: Please inquire

ACCN: NM_018933

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:	<ol style="list-style-type: none">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_018933.2 , NP_061756.1
RefSeq Size:	3485 bp
RefSeq ORF:	2397 bp
Locus ID:	56123
UniProt ID:	Q9Y5F0
Cytogenetics:	5q31.3
Domains:	CA
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p>