

Product datasheet for **RG224130**

PCDHB6 (NM_018939) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDHB6 (NM_018939) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCDHB6
Synonyms:	PCDH-BETA6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG224130 representing NM_018939
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGCAAACAAAGTACAGAACAAGAAAAGGCAAGTGGCTTTCTTCATTTTATTGATGCTTTGGGGAG
AGGTGGTTCTGAATCGATTAGTATTCCGTATTGGAGGAGACAGAAAAGTGGCACGTTTGTGGCCAACTT
GACAAAGGACCTGGGACTGAGGGTGGGGGAGCTGGCTTCGCGGGGCGCTCGGGTTGTTTTCAAAGGGAAC
AGACAACATTTGCAGTTTATCCACAGACCCATGATTTACTGCTAAATGAAAACTGGACCGGGAGGAGC
TGTGTGGCTCCACTGAGCCGTGTGTGCTACCTTCCAAGTGTACTGGAAAACCCCTTGACGTTTTTTCA
GGCTTCTTGGCAGTACAGATATAAATGACCACGCCCGGAATTCCTGCCAGAGAAATGCTCCTGAAA
ATATCAGAAATTAATGCCAGGAAAGATATTTCTTTGAAAATGGCACACGATTTAGACACCGGCAGCA
ACGGCCTTCAGAGGTACACAATCAGCTCCAACCCTCACTCCACGTTCTCACCCGAATCGCAGCGAAGG
CAGGAAGTCCCGGAGCTGGTGTAGACAAACCGTTGGACCGGAGGAGCAGCCCAACTCAGGCTAACG
CTGATCGCGCTGGATGGCGGGTCTCCGCCCCGGTCAGGGACCTCCGAGATTCAGATCCAGGTTTTGGACA
TCAATGACAACGTCCTCCGAGTTTGTCTCAGGAGCTCTATGAAGCACAAGTCCCTGAGAACAACCCCTCGG
CTCTCTGGTTATTACCGTCTCAGCCAGAGATTTAGATGCAGGATCGTTTGGGAAGGTATCTTACGCCCTG
TTTCAAGTCGATGACGTCACCAACCCTTCGAAAATAACGCAATCACAGGAGAAATTCGGCTGAGAAAGG
CTTTGGATTTTGGAGAAATTCAGTCTTATGACGTGGATGTTGAGGCTACAGATGGTGGAGGCTATCAGG
AAAATGCTCTTTAGTCGTAGGGTCTGGACGTGAATGACAATGCCCTGAACTCACCATGTCGTTCTTC
ATCAGCCTCATCCAGAAAACCTACCAGAGATCACAGTGGCAGTTTTTCAAGTGTTCAGATGCAGACTCTG
GACATAACCAACAGGTTATTTGTTCAATAGAGAACAATCTCCCTTTCTACTAAGACCTTCGGTGGAGAA
TTTCTACACCCTGGTAACAGAAGGCGCTGGACAGAGAGCAGAGCCGAGTACAACATCACTATCACG
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ACAACGTCCTCCGCTTACCCAAACCTCTACACCCTGTTCTGTCGCGGAGAACACAGCCCCGCCCTGCA
CATCGGCAGCGTCAGCGCCACAGACAGAGACTCAGGCATCAACGCCAGGTCACTACTCGCTGCTGCCG
CCCCAGGACCCGACCTGCCCTCTCTCCCTGGTCTCCATCAACGCGGACAACGGCCACCTGTTTGCCC
TCAGGTCGCTGGACTACGAGGCCCTGCAGTCTTTCGAGTTCGCGTGGGGCCACAGACCGCGGCTCCCC
GGCGTTGAGCAGCGAGGCGCTGGTGCCTTGTGTTGCTGGACGCCAACGACAACCTGCCCTTCGTGTTG
TACCCGCTGCAGAACGGCTCCGCGCCCTGCACCGAGCTGGTGGCCGGGGCCGAGCCGGGCTACCTGG
TGACCAAGGTGGTGGCGGTGGACGGCGACTCGGGCCAGAACGCCTGGCTGTCGTACCAGCTGCTCAAGGC
CACGGAGCTCGGTCTGTTTCGGCTGTGGGCGCACAAATGGCGAGGTGCGCACCGCCAGGCTGCTGAGCGAG
CGAGACGCAGCCAAGCACAGGCTGGTGGTCTTGTCAAGGACAATGGCGAGCCTCCGCGCTCGGCCACCG
CCACGCTGCACGTGCTCCTGGTGGACGGCTTCTCCAGCCCTACCTGCCTCTCCCTGAGGCGGCCCGGC
CCAAGCCAGGCCGACTCTCACCGTCTACCTGGTGGTGGCGTTGGCCTCGGTGTCGTGCTCTTCTCTC
TTTTCGGTGCTCCTGTTCTGTTGGCGGTGCGGCTGTGCAGGAGGAGCAGGGCGGCTCGGTGGTCTGCTACT
CGGTGCCCCGAGGGTCCCTTCCAGGGCATCTGGTGGATGTGAGCGGCACCGGACCCTATCCAGAGCTA
CCAGTACAAGGTGTCTGACGGGAGGCTCAGAAACAAATGAGTTCAAGTCTGAAGCCGATTATGCC
AACTTCCCTCTCAGGGCACTGAGAGAGAAATGGAAGAAACCCCACTCTCGGAATAGCTTCCCGTTCA
GT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG224130 representing NM_018939
Red=Cloning site Green=Tags(s)

MMQTKVQNKKRQVAFFILLMLWGEVGSSEIQYSVLEETESGTFVANLTKDLGLRVGELASRGARVVFKN
RQHLQFDPQTHDLLLNEKLDREELCGSTEPVLPFQVLLLENPLQFFQASLRVRDINDHAPEFPAREMLLK
ISEITMPGKIFPLKMAHDLDTGSNGLQRYTISSNPHFHVLTNRNSEGRKFPELVLDKPLDREEQPQLRLT
LIAIDGGSPRSGTSEIQIQVLDINDNVPEFAQELYEAQVPENNPLGSLVITVSARDLDAGSFGKVSIAL
FQVDDVNQPFENAITGEIRLRKALDFEEIQSYDVEATDGGGLSGKCSLVVRVLDVNDNAPELMSFF
ISLIPENLPEITVAVFSVSDADSGHNQQVICSIENNLPFLLRPSVENFYTLVTEGALDRESRAEYNITIT
VTDLGTPLKTKQSSITVQVSDVNDNPAFTQTSYTLFVRENNSPALHIGSVSATDRDSGINAQVTYSLLP
PQDPHLPLSSLVSINADNGHLFALRSLDYEALQSFEFRVGATDRGSPALSSEALVRLVLDANDNSPFVL
YPLQNGSAPCTELVPRAAEPGYLVTKVAVDGDGSGQNAWLSYQLLKATELGLFGVAHNGEVRTARLLSE
RDAAKHRLVVLVKDNGEPPRSATATLHVLLVDGFSQPYLPLPEAAPAQADSLTVYLVVALASVSSLFL
FSVLLFVAVRLCRRSRAASVGRYSVPEGPFPGHLVDVSGTGTLSSQSYQYKVCLTGGSETNEFKFLKPIMP
NFPPQGTEREMEETPTSRSNPFPS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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](#)

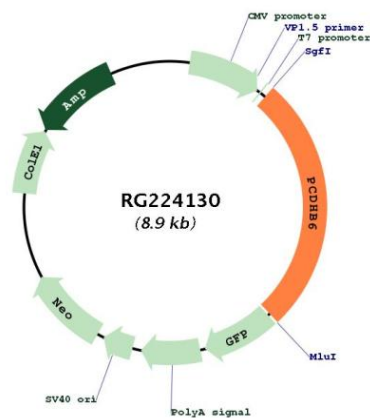
Cytogenetics: 5q31.3

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]

Product images:



Circular map for RG224130