OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC239906

PCDH11Y (NM_001278619) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH11Y (NM_001278619) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PCDH11Y
Synonyms:	PCDH-PC; PCDH22; PCDHX; PCDHY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC239906 representing NM_001278619
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAGTGGGTTTTAATTCAGATATTTCAAGTGTTGTGCGGGTTAATACAACAAACTGTCACAAGTGTT
TGTTGTCCGGGACGTACATTTTCGCGGTCCTGCTAGTATGCGTGGTGTTCCACTCTGGCGCCCAGGAGAA
AAACTACACCATCCGAGAAGAAATTCCAGAAAACGTCCTGATAGGCAACTTGTTGAAAGACCTTAACTTG
TCGCTGATTCCAAACAAGTCCTTGACAACTACTATGCAGTTCAAGCTAGTGTACAAGACCGGAGATGTGC
CACTGATTCGAATTGAAGAGGATACTGGTGAGATCTTCACTACCGGCGCTCGCATTGATCGTGAGAAATT
ATGTGCTGGTATCCCAAGGGATGAGCATTGCTTTTATGAAGTGGAGGTTGCCATTTTGCCGGATGAAATA
TTTAGACTGGTTAAGATACGTTTTCTGATAGAAGATATAAATGATAATGCACCATTGTTCCCAGCAACAG
TTATCAACATATCAATTCCAGAGAACTCGGCTATAAACTCTAAATATACTCTCCCAGCGGCTGTTGATCC
TGACGTAGGCATAAACGGAGTTCAAAACTACGAACTAATTAAGAGTCAAAACATTTTTGGCCTCGATGTC
ATTGAAACACCAGAAGGAGACAAGATGCCACAACTGATTGTTCAAAAGGAGTTAGATAGGGAAGAGAAGG
ATACCTATGTGATGAAAGTAAAGGTTGAAGATGGTGGCTTTCCTCAAAGATCCAGTACTGCTATTTTGCA
AGTAAGTGTTACTGATACAAATGACAACCACCCAGTCTTTAAGGAGACAGAGATTGAAGTCAGTATACCA
GAAAATGCTCCTGTAGGCACTTCAGTGACACAGCTCCATGCCACAGATGCTGACATAGGTGAAAATGCCA
AGATCCACTTCTCTTTCAGCAATCTAGTCTCCAACATTGCCAGGAGATTATTTCACCTCAATGCCACCAC
TGGACTTATCACAATCAAAGAACCACTGGATAGGGAAGAAACACCAAACCACAAGTTACTGGTTTTGGCA
AGTGATGGTGGATTGATGCCAGCAAGAGCAATGGTGCTGGTAAATGTTACAGATGTCAATGATAATGTCC
CATCCATTGACATAAGATACATCGTCAATCCTGTCAATGACACAGTTGTTCTTTCAGAAAATATTCCACT
CAACACCAAAATTGCTCTCATAACTGTGACGGATAAGGATGCGGACCATAATGGCAGGGTGACATGCTTC
ACAGATCATGAAATTCCTTTCAGATTAAGGCCAGTATTCAGTAATCAGTTCCTCCTGGAGAATGCAGCAT
ATCTTGACTATGAGTCCACAAAAGAATATGCCATTAAATTACTGGCTGCAGATGCTGGCAAACCTCCTTT
GAATCAGTCAGCAATGCTCTTCATCAAAGTGAAAGATGAAAATGACAATGCTCCAGTTTTCACCCAGTCT

View online »

TTCGTAACTGTTTCTATTCCTGAGAATAACTCTCCTGGCATCCAGTTGATGAAAGTAAGTGCAACGGATG
CAGACAGTGGGCCTAATGCTGAGATCAATTACCTGCTAGGCCCTGATGCTCCACCTGAATTCAGCCTGGA
TCGTCGTACAGGCATGCTGACTGTAGTGAAGAAACTAGATAGAGAAAAAGAGGATAAATATTTATTCACA
ATTCTGGCAAAAGATAATGGGGTACCACCCTTAACCAGCAATGTCACAGTCTTTGTAAGCATTATTGATC
AGAATGACAATAGCCCAGTTTTCACTCACAATGAATACAAATTCTATGTCCCAGAAAACCTTCCAAGGCA
TGGTACAGTAGGACTAATCACTGTAACTGATCCTGATTATGGAGACAATTCTGCAGTTACGCTCTCCATT
TTAGATGAGAATGATGACTTCACCATTGATTCACAAACTGGTGTCATCCGACCAAATATTTCATTTGATA
GAGAAAAACAAGAATCTTACACTTTCTATGTAAAGGCTGAGGATGGTGGTAGAGTATCACGTTCTTCAAG
TGCCAAAGTAACCATAAATGTGGTTGATGTCAATGACAACAAACCAGTTTTCATTGTCCCTCCTTACAAC
TATTCTTATGAATTGGTTCTACCGTCCACTAATCCAGGCACAGTGGTCTTTCAGGTAATTGCTGTTGACA
ATGACACTGGCATGAATGCAGAGGTTCGTTACAGCATTGTAGGAGGAAACACAAGAGATCTGTTTGCAAT
CGACCAAGAAACAGGCAACATAACATTGATGGAGAAATGTGATGTTACAGACCTTGGTTTACACAGAGTG
TTGGTCAAAGCTAATGACTTAGGACAGCCTGATTCTCTCTTCAGTGTTGTAATTGTCAATCTGTTCGTGA
ATGAGTCAGTGACCAATGCTACACTGATTAATGAACTGGTGCGCAAAAGCATTGAAGCACCAGTGACCCC
AAATACTGAGATAGCTGATGTATCCTCACCAACTAGTGACTATGTCAAGATCCTGGTTGCAGCTGTTGCT
GGCACCATAACTGTCGTTGTAGTTATTTTCATCACTGCTGTAGTAAGATGTCGCCAGGCACCACACCTTA
AGGCTGCTCAGAAAAACATGCAGAATTCTGAATGGGCTACCCCAAACCCAGAAAACAGGCAGATGATAAT
GATGAAGAAAAAGAAAAAGAAGAAGAAGCATTCCCCTAAGAACCTGCTGCTTAATGTTGTCACTATTGAA
GAAACTAAGGCAGATGATGTTGACAGTGATGGAAACAGAGTCACACTAGACCTTCCTATTGATCTAGAAG
AGCAAACAATGGGAAAGTACAATTGGGTAACTACACCTACTACTTTCAAGCCTGACAGCCCTGATTTGGC
CCGACACTACAAATCTGCCTCTCCACAGCCTGCCTTCCAAATTCAGCCTGAAACTCCCCTGAATTTGAAG
CACCACATCATCCAAGAACTGCCTCTCGATAACACCTTTGTGGCCTGTGACTCTATCTCCAATTGTTCCT
CAAGCAGTTCAGATCCCTACAGCGTTTCTGACTGTGGCTATCCAGTGACAACCTTCGAGGTACCTGTGTC
CGTACACACCAGACCGACTGATTCCAGGACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

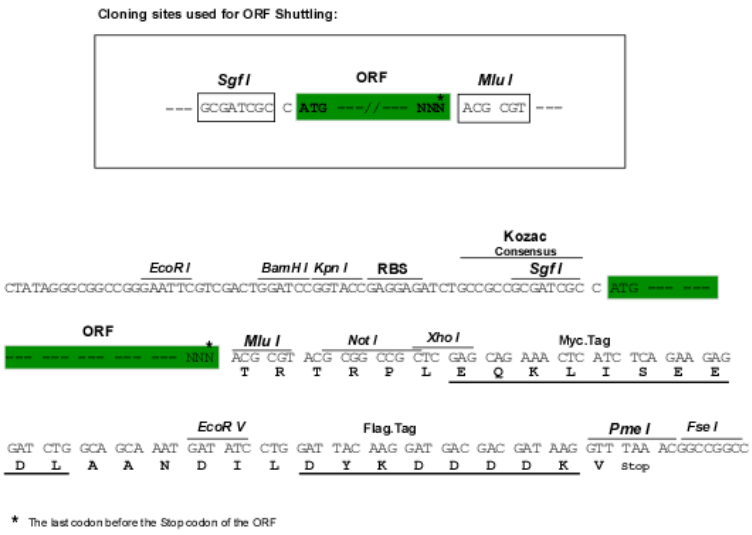
>RC239906 representing NM_001278619
Red=Cloning site Green=Tags(s)

MTVGFNSDISSVVRVNTTNCHKCLLSGTYIFAVLLVCVVFHSGAQEKNYTIREEIPENVLIGNLLKDLNL
SLIPNKSLTTTMQFKLVYKTGDVPLIRIEEDTGEIFTTGARIDREKLCAGIPRDEHCFYEVEVAILPDEI
FRLVKIRFLIEDINDNAPLFPATVINISIPENSAINSKYTLPAAVDPDVGINGVQNYELIKSQNIFGLDV
IETPEGDKMPQLIVQKELDREEKDTYVMKVKVEDGGFPQRSSTAILQVSVTDTNDNHPVFKETEIEVSIP
ENAPVGTSVTQLHATDADIGENAKIHFSFSNLVSNIARRLFHLNATTGLITIKEPLDREETPNHKLLVLA
SDGGLMPARAMVLVNVTDVNDNVPSIDIRYIVNPVNDTVVLSENIPLNTKIALITVTDKDADHNGRVTCF
TDHEIPFRLRPVFSNQFLLENAAYLDYESTKEYAIKLLAADAGKPPLNQSAMLFIKVKDENDNAPVFTQS
FVTVSIPENNSPGIQLMKVSATDADSGPNAEINYLLGPDAPPEFSLDRRTGMLTVVKKLDREKEDKYLFT
ILAKDNGVPPLTSNVTVFVSIIDQNDNSPVFTHNEYKFYVPENLPRHGTVGLITVTDPDYGDNSAVTLSI
LDENDDFTIDSQTGVIRPNISFDREKQESYTFYVKAEDGGRVSRSSSAKVTINVVDVNDNKPVFIVPPYN
YSYELVLPSTNPGTVVFQVIAVDNDTGMNAEVRYSIVGGNTRDLFAIDQETGNITLMEKCDVTDLGLHRV
LVKANDLGQPDSLFSVVIVNLFVNESVTNATLINELVRKSIEAPVTPNTEIADVSSPTSDYVKILVAAVA
GTITVVVVIFITAVVRCRQAPHLKAAQKNMQNSEWATPNPENRQMIMMKKKKKKKKHSPKNLLLNVVTIE
ETKADDVDSDGNRVTLDLPIDLEEQTMGKYNWVTTPTTFKPDSPDLARHYKSASPQPAFQIQPETPLNLK
HHIIQELPLDNTFVACDSISNCSSSSSDPYSVSDCGYPVTTFEVPVSVHTRPTDSRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

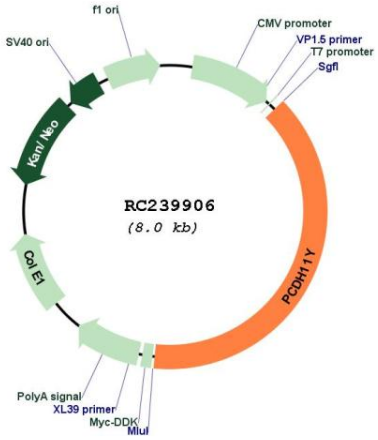
Cloning Scheme:



ACCN:	NM_001278619
ORF Size:	3111 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001278619.2
RefSeq Size:	5033 bp

RefSeq ORF:	3114 bp
Locus ID:	83259
UniProt ID:	Q9BZA8
Cytogenetics:	Yp11.2
Protein Families:	Transmembrane
MW:	115.2 kDa
Gene Summary:	This gene belongs to the protocadherin family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing seven cadherin repeats, a transmembrane domain, and a cytoplasmic tail that differs from those of the classical cadherins. This gene is located on the Y chromosome in a block of X/Y homology and is very closely related to its paralog on the X chromosome. The protein is thought to play a role in cell-cell recognition during development of the central nervous system. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC239906