

## Product datasheet for **RC230638**

### PCDH11X (NM\_001168361) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH11X (NM_001168361) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PCDH11X
Synonyms:	PCDH-X; PCDH-Y; PCDH11; PCDH11Y; PCDH22; PCDHX; PPP1R119
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC230638 representing NM_001168361 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACTTGTGTCCGGGACGTACATTTTCGGGTCCTGCTAGCATGCGTGGTGTCCACTCTGGCGCC  
AGGAGAAAACTACACCATCCGAGAAGAAATGCCAGAAAACGTCCTGATAGGCGACTTGTGAAAGACCT  
TAACCTGTGCTGATTCCAAACAAGTCCTTGACAAGTCTGATGCAAGTCAAGCTAGTGTACAAGACCGGA  
GATGTGCCACTGATTGCAATTGAAGAGGATACTGGTGAGATCTTCACTACTGGCGCTCGCATTGATCGTG  
AGAAATATGTGCTGGTATCCCAAGGGATGAGCATTGCTTTTATGAAGTGGAGGTTGCCATTTTGCCGGA  
TGAAATATTTAGACTGGTTAAGATACGTTTTCTGATAGAAGATATAAATGATAATGCACCATTGTTCCCA  
GCAACAGTTATCAACATATCAATTCCAGAGAAGTCCGGCTATAAATCTAAATATACTCTCCAGCGGCTG  
TTGATCCTGACGTAGGAATAAACGGAGTTCAAACCTACGAACTAATTAAGAGTCAAACATTTTGGCCT  
CGATGTCATTGAAACACCAGAAGGAGACAAGATGCCACAAGTATTGTTCAAAGGAGTTAGATAGGGAA  
GAGAAGGATACCTACGTGATGAAAGTAAAGGTTGAAGATGGTGGCTTTCCTCAAAGATCCAGTACTGCTA  
TTTTGCAAGTGAGTGTACTGATACAAATGACAACCCAGTCTTTAAGGAGACAGAGATTGAAGTCAG  
TATACCAGAAAATGCTCCTGTAGGCATTCAGTGACACAGCTCCATGCCACAGATGCTGACATAGGTGAA  
AATGCCAAGATCCACTTCTCTTTTCAGCAATCTAGTCTCCAACATTGCCAGGAGATTATTTACCTCAATG  
CCACCACTGGACTTATCACAATCAAAGAACCCTGGATAGGGAAGAAACACCAAACCAAGTTACTGGT  
TTTGGCAAGTGTGGTGGATTGATGCCAGCAAGAGCAATGGTGTGGTAAATGTTACAGATGTCAATGAT  
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TTCCACTCAACACCAAAATGCTCTCATAACTGTGACGGATAAGGATGCGGACCATAATGGCAGGGTGAC  
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CTCCTTTGAATCAGTCAGCAATGCTCTTCATCAAAGTAAAAGATGAAAATGACAATGCTCCAGTTTTTAC  
CCAGTCTTTTCGTAAGTCTTTCTATTCTGAGAATAACTCTCCTGGCATCCAGTTGACGAAAGTAAGTGCA  
ATGGATGCAGACAGTGGGCCAATGCTAAGATCAATTACCTGCTAGGCCCTGATGCTCCACCTGAATTCA



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GCCTGGATTGTCGTACAGGCATGCTGACTGTAGTGAAGAACTAGATAGAGAAAAAGAGGATAAATATT  
 ATTCACAATTCTGGCAAAGATAACGGGGTACCACCTTAACCAGCAATGTCACAGTCTTTGTAAGCATT  
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 CAAGGCATGGTACAGTAGGACTAATCACTGTAAGTATGATCTGATTATGGAGACAATCTGCAGTTACGCT  
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 TTTGATAGAGAAAAACAAGAATCTTACTTTCTATGTAAGGCTGAGGATGGTGGTAGATATCACGTT  
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 TTCGAAGCACCACATCATCAAGAAGTGCCTCTCGATAACACCTTTGTGGCCTGTGACTCTATCTCCAAG  
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 CTGTGTCCGTACACACCAGACCGCAATGAAGGAGGTTGTGCGATCTTGACCCCCATGAAAGAGTCTAC  
 AACTATGGAGATCTGGATTATCCCAACACAGCGGAAATCTGAAGGGAAAGTGGCAGGAAAGACTGTG  
 CTTACTTCTCTCCCTTCTGCCATGACCCCTTCATACCTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230638 representing NM\_001168361  
 Red=Cloning site Green=Tags(s)

MDLLSGTYIFAVLLACVVFHSGAQEKNYTIREEMPENVLIGDLLKDLNLSLIPNKSLTTAMQFKLVYKTG  
 DVPLIRIEEDTGEIFTTGARIDREKLCAGIPRDEHCFYEVEVAIILPDEIFRLVKIRFLIEDINDNAPLFP  
 ATVINISIPENSAINSKYTLPAAVDPDVGINGVQNYELIKSQNIFGLDVIETPEGDKMPQLIVQKELDRE  
 EKDTYVMKVKVEDGGFPQRSSTAILQVSVTDNDNHPVKETEIEVSIPENAPVGTSVTQLHATDADIGE  
 NAKIHFSFNLVSNIAARRL FHLNATTGLITIKPLDREETPNHKLLVLASDGGLMPARAMVLVNVTDVND  
 NVPSIDIRYIVNPVNDTVVLSNIPLNTKIALITVTDKADHNGRVTCFDHEIPFRLRPVFSNQFLEET  
 AAYLDYESTKEYAIKLLAADAGKPLNQSAMLF IKVKDENDNAPVFTQSFVTVSIPENNSPGIQLTKVSA  
 MDADSGPNAKINYLLGPDAPPEFSLDCRTGMLTVVKLDREKEDKYLFTILAKDNGVPLTSNVTVFVSI  
 IDQNDNSPVFTHNEYNFYYPENLPRHGTVGLITVTDPDYGDNSAVTLSILDENDDFTIDSQTVIRPNIS  
 FDREKQESYTFYVKAEDGGRVSRSSAKVTINVVDVNDNKPVFI VPPSNCSYELVLPSTNPGTVVVFQVIA  
 VDNDDTGMNAEVRYSIVGGNTRDLFAIDQETGNITLMEKCDVTDLGLHRVLVKANDLGQPDLSLFSVIVNL  
 FVNESVTNATLINELVRKSTEAPVTPNTEIADVSSPTSDYVKILVAAVAGTITVVVVFITAVVRCRQAP  
 HLKAAQKNQNSEWATPNPENRQMIMMKKKKKKHSKPNLLNFVTIEETKADDVSDGNRVTLDLPID  
 LEEQTMGKYNWVTPPTTFKPDSPDLARHYKSASPQAFIQPETPLNSKHII IQELPLDNTFVACDSISK  
 CSSSSDPYVSDCGYPVTTFEVPVSVHTRPPMKVVRSCPTMKESTTMEIWIHPQPQRKSEGKVAGKT  
 VLTSSSPSAMTSLYLD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001168361.1, NP_001161833.1</u>
<b>RefSeq ORF:</b>	3198 bp
<b>Locus ID:</b>	27328
<b>UniProt ID:</b>	<u>Q9BZA7</u>
<b>Cytogenetics:</b>	Xq21.31
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	118.1 kDa
<b>Gene Summary:</b>	This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing 7 cadherin repeats, a transmembrane domain and a cytoplasmic tail that differs from those of the classical cadherins. The gene is located in a major X/Y block of homology and its Y homolog, despite divergence leading to coding region changes, is the most closely related cadherin family member. The protein is thought to play a fundamental role in cell-cell recognition essential for the segmental development and function of the central nervous system. Disruption of this gene may be associated with developmental dyslexia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]