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Product datasheet for SC308741

PCDH11X (NM_032968) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH11X (NM_032968) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH11X
Synonyms:	PCDH-X; PCDH-Y; PCDH11; PCDH11Y; PCDH22; PCDHX; PPP1R119
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene ORF sequence for NM_032968 edited
ATGGACTTGTTGTCCGGGACGTACATTTTCGCGGTCCTGCTAGCATGCGTGGTGTTCCAC
TCTGGCGCCCAGGAGAAAAACTACACCATCCGAGAAGAAATGCCAGAAAACGTCCTGATA
GGCGACTTGTTGAAAGACCTTAACTTGTCGCTGATTCCAAACAAGTCCTTGACAACTGCT
ATGCAGTTCAAGCTAGTGTACAAGACCGGAGATGTGCCACTGATTCGAATTGAAGAGGAT
ACTGGTGAGATCTTCACTACTGGCGCTCGCATTGATCGTGAGAAATTATGTGCTGGTATC
CCAAGGGATGAGCATTGCTTTTATGAAGTGGAGGTTGCCATTTTGCCGGATGAAATATTT
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GCAACAGTTATCAACATATCAATTCCAGAGAACTCGGCTATAAACTCTAAATATACTCTC
CCAGCGGCTGTTGATCCTGACGTAGGAATAAACGGAGTTCAAAACTACGAACTAATTAAG
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ATGCTGACTGTAGTGAAGAAACTAGATAGAGAAAAAGAGGATAAATATTTATTCACAATT
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TGGGTAACTACACCTACTACTTTCAAGCCCGACAGCCCTGATTTGGCCCGACACTACAAA
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TCTACTCAGCACCACAGCCCACGAGTGACACAGACCATTGCTCTCTGCCACAGCCCTCCA
GTGACACAGACCATCGCATTGTGCCACAGCCCACCACCGATACAGGTGTCTGCTCTCCAC
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ACATCTCAGTTTTACACCATGTCTGAAAGACTTCATCCCAGTGATGATTCAATTAAAGTC
ATTCCTTTGACAACCTTCACTCCACGCCAACAGGCCAGACCGTCCAGAGGTGATTCCCCC
ATTATGGAAGAACATCCCTTGTAA

Restriction Sites: Please inquire

ACCN: NM_032968

Insert Size: 9000 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).

OTI Annotation:	ORF was fully sequenced, and matches with NM_032968.2.
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_032968.2, NP_116750.1
RefSeq Size:	9176 bp
RefSeq ORF:	4044 bp
Locus ID:	27328
UniProt ID:	Q9BZA7
Cytogenetics:	Xq21.31
Domains:	CA
Protein Families:	Transmembrane
Gene Summary:	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] Transcript Variant: This variant (c) represents the longest transcript and encodes the longest isoform (c).