

Product datasheet for **SC318498**

PCDH19 (NM_020766) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH19 (NM_020766) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH19
Synonyms:	DEE9; EFMR; EIEE9
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020766, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTCGCTCCTGCTGCCGGTCTGCTGCTGCTGGCCATACTGTGGACGCAGGCTGCC
GCCCTCATTAATCTCAAGTACTCGGTAGAAGAGGAGCAGCGCGCCGGACGGTGATTGCC
AACGTGGCCAAAGACGCGCGAGAGGCGGGCTTCGCGCTGGACCCCGGCAGGCTTCAGCC
TTTCGCGTGGTGTCCAACCTCGGCTCCACACCTAGTGGACATCAATCCCAGCTCTGGCCTG
CTGGTCACCAAGCAGAAGATTGACCGTGATCTGCTGTGCCGCCAGAGCCCAAGTGCATC
ATCTCGCTCGAGGTGATGTCAGCTCAATGGAAATCTGCGTGATAAAGGTGGAGATCAAG
GACCTGAACGACAATGCGCCAGTTTCCCGGCAGCACAGATCGAGCTGGAGATCTCGGAG
GCAGCCAGCCCTGGCACGCGCATCCCGCTGGACAGCGCTTACGATCCAGACTCAGGAAGC
TTTGGCGTGACAGCTTACGAGCTCACGCCAACGAGCTGTTGGCCTGGAGATCAAGACG
CGCGGCGACGGCTCCCGCTTTGCCGAACCTCGTGGTGAAAAGAGCCTGGACCGCGAGACG
CAGTCGCACTACAGCTTCCGAATCACTGCGCTAGACGGTGGCGACCCGCCGCGCTGGGC
ACCGTTGGCCTTAGTATCAAGGTGACCGACTCCAATGACAACAACCCGGTGTTTAGCGAG
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AGCTTCTCCACTATTCTGGTGGACGGACGGCTGGACCGCGAGCAGCACGACCAATACAAC
CTCACAATTAGGCACGCGACGGCGCGTGGCCATGCTGCAGAGTGCCAAGTCCTTTACC
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ATTGTGACGAGAGAACAACACGCCTGGCGCTATCTGCTCTGTGTCTGCTCGCGACCCC
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CCTGTCTTCACCTATGTCTCCATCAATCCCAACTCAGGCGACATCTACGCGCTGCGATCC
TTTAACCACGAGCAGACCAAGGCGTTTGAATTCAAGGTGCTGGCCAAGGACGGCGGCCTT
CCCTCACTGCAAAGCAACGCTACGGTGGGGTCACTCATCTCGACGTCAACGACAACACC
CCGGTCATCACAGCCCCACCTCTGATTAAACGGCACTGCCGAGGTCTACATACCCCGCAAC

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TCTGGCATAGGCTACCTGGTGACTGTTGTCAAGGCAGAAGACTACGATGAGGGCGAAAAT
 GGCCGAGTCACCTACGACATGACCGAGGGCGACCGCGGCTTCTTTGAAATAGACCAGGTC
 AATGGCGAAGTCAGAACCACCGCACCTTCGGGGAGAGCTCCAAGTCCTCCTATGAGCTT
 ATCGTGGTGGCTCAGGACCACGGCAAGACATCTCTCTGCGCTCTGCTCTCGTCTAATC
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 CATGAGGAGAGTGACAACTGACAGTGAGCATGATGTCCAGCGAGCCTGTATTGTGAT
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 AACATCATCGCGTGTCTATTGAAGCTACTGCTGCTGATGTGAGGCTTATGACGACTGC
 GGCCCCACAAACGGACTTTTCGAACCTTTGGGAAAGATGTCAGCGACCAACCCGGCTGAG
 GAGAGGCTTACCTGAAAGGCAAGAGGACTGTCGATGTGACCATCTGCAGCCCCAAGGTC
 AACAGCGTTATCCGGGAGGCAGGCAATGGCTGTGAGGCGATTAGCCCTGTACCTCCCC
 CTCCACCTCAAGAGCTCTCTGCCACCAAGCCTTCCGTGTCTTACACCATGCCCCTGGCT
 CCCCAGCCCGTGATCTGGAGCAGTATGTCAACAATGTCAACAATGGCCCTACTCGTCCC
 TCTGAAGCTGAGCCCCGTGGAGCTGATAGCGAGAAAGTATGCATGAGGTGAGCCCCATT
 CTGAAGGAAGGTCGACAAAGAGTCCCCTGGTGTGAAGCGTCTGAAGGATATCGTTCTC

Restriction Sites:	Please inquire
ACCN:	NM_020766
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:	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:	<u>NM_020766.2</u> , <u>NP_065817.2</u>

RefSeq Size: 9629 bp

RefSeq ORF: 3303 bp

Locus ID: 57526

UniProt ID: [Q8TAB3](#)

Cytogenetics: Xq22.1

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is a member of the delta-2 protocadherin subclass of the cadherin superfamily. The encoded protein is thought to be a calcium-dependent cell-adhesion protein that is primarily expressed in the brain. Mutations in this gene on human chromosome X are associated with sporadic infantile epileptic encephalopathy and to a female-restricted form of epilepsy (EFMR; also known as PCDH19RE). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2017]

Transcript Variant: This variant (2) lacks an alternate in-frame exon and uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 3. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform c. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by orthologous data.