

Product datasheet for **SC315457**

PKD1L2 (NM_001076780) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKD1L2 (NM_001076780) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKD1L2
Synonyms:	PC1L2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001076780, the custom clone sequence may differ by one or more nucleotides

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ATGAGTGCAGTGGGCTTGGTACTCCTGGTGCTTGTCTGAGGCTTAGGGCCACCACTGTT
AAGCCAGAGGAAGGCAGCTTTTGTCTAACAGCCAGGTGGCCTTCAGAGATGCTTGCTAT
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GCCGCCGCTGCCCTGACACCTGCGGCCACATCGGGAGAGGCCCTTCTCTGAGTGGGTG
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GCCTGCGAGGGACTCAATGCCACCGTGCACTGTGGCTTGGGGCAGGTATCCAGGTCCAG
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GCCCTTCCGGTCTCCAAGAACCATCTGGGATGAATGCTGAAGGAAAGAGTAAAGATAAA
GGCGATATGGAGGTGTACATCCAACCTGGTCCATATGTGGATCCTTTCACGACAGTGACC

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CTGGGCTGGCCAGACAATGACAAGGAGTTACGCTTCCAATGGTCATGTGGGTCTTGCTGG
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GTTCCAGCATCCTGCCTGCCGCCGCCTGACTCTGCTGTACCCTGCGCCTGGCTGTTCTG
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CGGAGTAAGGAACTCACCCCTCGGCCAGGGGTCTGCATGGGCGATTTCATGGGAAGGT
GCCCCCTCTGCTGCCATGTATCTCACGCTAGG
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Restriction Sites:	Please inquire
ACCN:	NM_001076780
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_001076780.1</u> , <u>NP_001070248.1</u>
RefSeq Size:	3427 bp
RefSeq ORF:	2976 bp
Locus ID:	114780

UniProt ID: [Q7Z442](#)

Cytogenetics: 16q23.2

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the polycystin protein family. The encoded protein contains 11 transmembrane domains, a latrophilin/CL-1-like GPCR proteolytic site (GPS) domain, and a polycystin-1, lipoxygenase, alpha-toxin (PLAT) domain. This protein may function as a component of cation channel pores. This gene appears to be a polymorphic pseudogene in humans, and the reference genome encodes a non-functional allele. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2019]

Transcript Variant: This variant (3) lacks several 3' exons but includes an alternate 3' exon, and it thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (c) is shorter and has a distinct C-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.