

Product datasheet for **SC305688**

PKD1L2 (NM_052892) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKD1L2 (NM_052892) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKD1L2
Synonyms:	PC1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305688 representing NM_052892. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGAGTGCAGTGGGCTTGGTACTCCTGGTCTGCTCTGAGGCTTAGGGCCACCACTGTTAAGCCAGAG
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TGCCGCCTGGCTGTTCCGGTTGAAGGCACCTTTCTGGTCACCATGCTGGTGAGGAATGCCTTCTCCAAC
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_052892

Insert Size:

7380 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:

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_052892.3</u>
RefSeq Size:	7624 bp
RefSeq ORF:	7380 bp
Locus ID:	114780
UniProt ID:	<u>Q7Z442</u>
Cytogenetics:	16q23.2
Protein Families:	Druggable Genome
MW:	272.5 kDa
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 (1, also known as long form) represents the functional allele that is absent from the reference genome but present in some human individuals. This variant is the longest transcript and encodes the longest 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.