

Product datasheet for **SC332239**

PKD2L1 (NM_001253837) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKD2L1 (NM_001253837) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKD2L1
Synonyms:	PCL; PKD2L; PKDL; TRPP3
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332239 representing NM_001253837.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAACCCAGGAGACGGCATAACAGGACCCAGGTGTCCAGCTGCTGCCTCCATATCTGTCAAGGCATCA
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AGAGAAGAGGAAGCCTTAGAGGAGAGGAGACTCTCCCGTGGTGGAGATTCCAACGTTGCAGAGGAGTAA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001253837

Insert Size: 2277 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).

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_001253837.1](#)

RefSeq Size: 3082 bp

RefSeq ORF: 2277 bp

Locus ID: 9033

UniProt ID: [Q9P0L9](#)

Cytogenetics: 10q24.31

Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

MW: 86.9 kDa

Gene Summary: This gene encodes a member of the polycystin protein family. The encoded protein contains multiple transmembrane domains, and cytoplasmic N- and C-termini. The protein may be an integral membrane protein involved in cell-cell/matrix interactions. This protein functions as a calcium-regulated nonselective cation channel. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Transcript Variant: This variant (2) uses an alternate splice junction at the 5' end of coding exon compared to variant 1, that causes a frameshift. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.