

## Product datasheet for SC332716

### PKD2L2 (NM\_001258449) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PKD2L2 (NM\_001258449) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PKD2L2  
**Synonyms:** TRPP5  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332716 representing NM\_001258449.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTGAGGCGTCACGGTGGCACCAGGCGGGGCTTCGAAACATAAGTTGCATTACAGAAAGGAAGTA
GAAATTACAACCACACTTCAGGAATTGTTACTCTACTTTATTTTTTAATAAACCTATGTATATTGACT
TTTGGGATGGTAAACCCACATATGTATTACTTAAACAAGGTTATGTCATCTCTATTTTTGGACACTTCT
GTGCTGGTGAAGAAAGAACCACTTAAAGTCCATTTCGAGCATAAAGTATTTTGGAAAGTTTATGGAA
GGACCCCTTTTGAAGGCTGTACTGGGATTCATGGTACAATAACCAGCAGCTGTATAATTTAAAGAAC
AGCAGTCGCATCTACTATGAAAATATACTTCTAGGAGTCCAGAGTTCGTCACAAAGTCCGCAAC
AACACATGCAAAGTCTATTCATCTTTTCAGTCTTTGATGAGTGAATGTTATGGCAAATATACTTCTGCA
AATGAAGACCTCTCTAATTTTGGCCTTCAATTAATACTGAATGGAGATATTCTACTTCTAATACCAAC
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GAAGTCAAAAAAATAAAGAATTTAAGTCTGCCTATTTCAAAGTATTTGGAAGTGGCTAGAATTGCTA
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AATAATATAAATTGCTATTACCATCTTTTTTGCATGGATAAAGAATATGTTCTTGGCAATTATTAATGAT
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AAACAGAGTTACAAAAATGTTCTCGAGAAATTCAGACTGAAGAAAGCTCAAAAAGATGAAGACAAGAAA
ACCAAAGCAGCGGAGATTTGGCTGAACAAGCCAGAAGAGAAGGCTTTGACGAAAATGAGATTCAAAC
GCAGAGCAGATGAAAAATGAAAAGAGAGGCTTGAGAAAAAGTATTATTCTATGGAAATTCAGATGAC
TACCAGCTGTCACTCAAGAAGAATTTGAGAACTTTTTTATATGCTGTGGAGCTGGAGAAGGAATTA
CACTACATCAATTTGAAGCTAAATCAAGTGGTGAAGAAAGTTTCAGCTCTATAG
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001258449  
**Insert Size:** 1572 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001258449.1</u>
<b>RefSeq Size:</b>	2317 bp
<b>RefSeq ORF:</b>	1572 bp
<b>Locus ID:</b>	27039
<b>UniProt ID:</b>	<u>Q9NZM6</u>
<b>Cytogenetics:</b>	5q31.2
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
<b>MW:</b>	62.2 kDa
<b>Gene Summary:</b>	<p>May function as a subunit of a cation channel and play a role in fertilization.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks two alternate in-frame exons in the central coding region, contains an alternate segment in the 3' region, which results in an alternate translation stop codon, compared to variant 1. The resulting isoform (3) is shorter; it lacks an internal segment and has a distinct C-terminus compared to isoform 1.</p>