

Product datasheet for **RC220948L2V**

Polycystin 2 (PKD2) (NM_000297) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Polycystin 2 (PKD2) (NM_000297) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Polycystin 2 |
| Synonyms: | APKD2; Pc-2; PC2; PKD4; TRPP2 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_000297 |
| ORF Size: | 2904 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC220948). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_000297.2 |
| RefSeq Size: | 5073 bp |
| RefSeq ORF: | 2907 bp |
| Locus ID: | 5311 |
| UniProt ID: | Q13563 |
| Cytogenetics: | 4q22.1 |
| Domains: | ion_trans |
| Protein Families: | Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane |



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MW: 109.5 kDa

Gene Summary: This gene encodes a member of the polycystin protein family. The encoded protein is a multi-pass membrane protein that functions as a calcium permeable cation channel, and is involved in calcium transport and calcium signaling in renal epithelial cells. This protein interacts with polycystin 1, and they may be partners in a common signaling cascade involved in tubular morphogenesis. Mutations in this gene are associated with autosomal dominant polycystic kidney disease type 2. [provided by RefSeq, Mar 2011]