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Product datasheet for RC220948L1V

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

Product data:

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-Myc-DDK (PS100064)
Tag:	Myc-DDK
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]