

Product datasheet for **RC221309L2V**

PKC nu (PRKD3) (NM_005813) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | PKC nu (PRKD3) (NM_005813) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | PRKD3 |
| Synonyms: | EPK2; nPKC-NU; PKC-NU; PKD3; PRKCN |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_005813 |
| ORF Size: | 2670 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC221309). |
| 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_005813.3 |
| RefSeq Size: | 5907 bp |
| RefSeq ORF: | 2673 bp |
| Locus ID: | 23683 |
| UniProt ID: | O94806 |
| Cytogenetics: | 2p22.2 |
| Domains: | pkinese, TyrKc, PH, DAG_PE-bind, S_TKc |
| Protein Families: | Druggable Genome, Protein Kinase |



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MW: 100.3 kDa

Gene Summary: This gene belongs to the multigene protein kinase D family of serine/threonine kinases, which bind diacylglycerol and phorbol esters. Members of this family are characterized by an N-terminal regulatory domain comprised of a tandem repeat of cysteine-rich zinc-finger motifs and a pleckstrin domain. The C-terminal region contains the catalytic domain and is distantly related to calcium-regulated kinases. Catalytic activity of this enzyme promotes its nuclear localization. This protein has been implicated in a variety of functions including negative regulation of human airway epithelial barrier formation, growth regulation of breast and prostate cancer cells, and vesicle trafficking. [provided by RefSeq, Jan 2015]