

## Product datasheet for **RC219587L4V**

### DGKI (NM\_004717) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	DGKI (NM_004717) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DGKI
Synonyms:	DGK-IOTA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004717
ORF Size:	3195 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219587).
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. <a href="#">More info</a>
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:	<a href="#">NM_004717.2</a>
RefSeq Size:	4780 bp
RefSeq ORF:	3198 bp
Locus ID:	9162
UniProt ID:	<a href="#">O75912</a>
Cytogenetics:	7q33
Domains:	DAGKa, DAGKc, ANK, DAG_PE-bind
Protein Families:	Druggable Genome


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<b>Protein Pathways:</b>	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system
<b>MW:</b>	116.8 kDa
<b>Gene Summary:</b>	This gene is a member of the type IV diacylglycerol kinase subfamily. Diacylglycerol kinases regulate the intracellular concentration of diacylglycerol through its phosphorylation, producing phosphatidic acid. The specific role of the enzyme encoded by this gene is undetermined, however, it may play a crucial role in the production of phosphatidic acid in the retina or in recessive forms of retinal degeneration. [provided by RefSeq, Jul 2008]