

Product datasheet for **RC217461L4V**

DGKB (NM_004080) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DGKB (NM_004080) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DGKB
Synonyms:	DAGK2; DGK; DGK-BETA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004080
ORF Size:	2412 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217461).
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_004080.1 , NP_004071.1
RefSeq Size:	3926 bp
RefSeq ORF:	2415 bp
Locus ID:	1607
UniProt ID:	Q9Y6T7
Cytogenetics:	7p21.2
Domains:	DAGKa, DAGKc, EFh, DAG_PE-bind
Protein Families:	Druggable Genome



[View online »](#)

Protein Pathways: Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system

MW: 90.4 kDa

Gene Summary: Diacylglycerol kinases (DGKs) are regulators of the intracellular concentration of the second messenger diacylglycerol (DAG) and thus play a key role in cellular processes. Nine mammalian isoforms have been identified, which are encoded by separate genes. Mammalian DGK isozymes contain a conserved catalytic (kinase) domain and a cysteine-rich domain (CRD). The protein encoded by this gene is a diacylglycerol kinase, beta isoform. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2017]