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Product datasheet for RC220293L4V

DGKA (NM_201554) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DGKA (NM_201554) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DGKA
Synonyms:	DAGK; DAGK1; DGK-alpha
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_201554
ORF Size:	2205 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220293).
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_201554.1, NP_963848.1
RefSeq Size:	2669 bp
RefSeq ORF:	2208 bp
Locus ID:	1606
UniProt ID:	P23743
Cytogenetics:	12q13.2
Protein Families:	Druggable Genome

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Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	82.6 kDa
Gene Summary:	The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intracellular signaling pathways. It also plays an important role in the resynthesis of phosphatidylinositols and phosphorylating diacylglycerol to phosphatidic acid. Several transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Apr 2017]