

Product datasheet for RC218968L3

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

DGKA (NM_201445) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DGKA (NM_201445) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: DGKA

Synonyms: DAGK; DAGK1; DGK-alpha

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC218968).

Sequence:

Restriction Sites: Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_201445

ORF Size: 2205 bp





DGKA (NM_201445) Human Tagged Lenti ORF Clone - RC218968L3

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 201445.1</u>, <u>NP 958853.1</u>

12q13.2

 RefSeq Size:
 2769 bp

 RefSeq ORF:
 2208 bp

 Locus ID:
 1606

 UniProt ID:
 P23743

Cytogenetics:

Protein Families: Druggable Genome

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

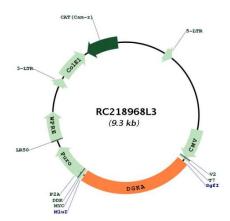
acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intracellular signaling pathways. It also plays an important role in the resynthesis of phosphatidylinositols and phosphorylating diacylglycerol to phosphatidic acid.

Several transcript variants encoding different isoforms have been identified for this gene.

[provided by RefSeq, Apr 2017]



Product images:



Circular map for RC218968L3