

Product datasheet for RC219913L4

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

DGKE (NM_003647) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DGKE (NM_003647) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: DGKE

Synonyms: AHUS7; DAGK5; DAGK6; DGK; NPHS7

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

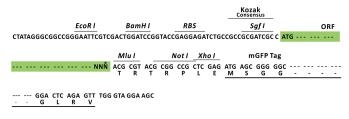
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC219913).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_003647

ORF Size: 1701 bp





DGKE (NM_003647) Human Tagged Lenti ORF Clone - RC219913L4

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 003647.1</u>

RefSeq Size:2562 bpRefSeq ORF:1704 bpLocus ID:8526

 UniProt ID:
 P52429

 Cytogenetics:
 17q22

Domains: DAGKa, DAGKc, DAG PE-bind

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways,

Phosphatidylinositol signaling system

MW: 63.7 kDa

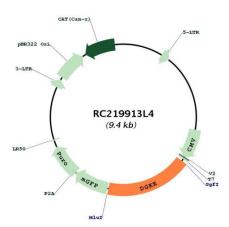
Gene Summary: Diacylglycerol kinases are thought to be involved mainly in the regeneration of

phosphatidylinositol (PI) from diacylglycerol in the PI-cycle during cell signal transduction. When expressed in mammalian cells, DGK-epsilon shows specificity for arachidonyl-containing diacylglycerol. DGK-epsilon is expressed predominantly in testis. [provided by

RefSeq, Jul 2008]



Product images:



Circular map for RC219913L4