

# Product datasheet for RC216326L3

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# DGKZ (NM\_201533) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: DGKZ (NM\_201533) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: DGKZ

Synonyms: DAGK5; DAGK6; DGK-ZETA; hDGKzeta

Mammalian Cell Puromycin

Selection:

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

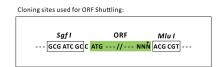
E. coli Selection: Chloramphenicol (34 ug/mL)

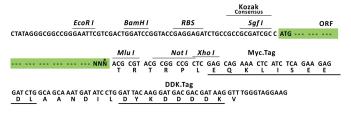
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC216326).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 



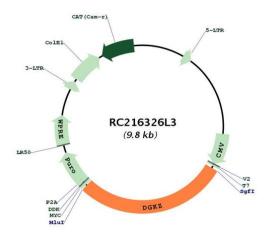


<sup>\*</sup> The last codon before the Stop codon of the ORF.





#### Plasmid Map:



**ACCN:** NM\_201533 **ORF Size:** 2799 bp

**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 201533.3</u>, <u>NP 963291.2</u>

RefSeq Size: 3560 bp RefSeq ORF: 2802 bp



### DGKZ (NM\_201533) Human Tagged Lenti ORF Clone - RC216326L3

 Locus ID:
 8525

 UniProt ID:
 Q13574

 Cytogenetics:
 11p11.2

**Protein Families:** Druggable Genome

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

Phosphatidylinositol signaling system

MW: 104.3 kDa

**Gene Summary:** The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It

may attenuate protein kinase C activity by regulating diacylglycerol levels in intracellular signaling cascade and signal transduction. Alternative splicing occurs at this locus and multiple transcript variants encoding distinct isoforms have been identified. [provided by

RefSeq, Nov 2010]