

Product datasheet for RC226335

DGKZ (NM_001105540) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DGKZ (NM_001105540) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DGKZ
Synonyms: DAGK5; DAGK6; DGK-ZETA; hDGKzeta
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC226335 representing NM_001105540
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

ATGGAGACTTTCTTTAGGAGACATTTCCGGGGGAAGGTGCCAGGCCCTGGAGAGGGGCAGCAGCGGCCCA
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TCTTCGACCTGAGCCAGGGAGGGCCCAAGGAGGCGCTGGAGATGTACCGCAAAGTGCACAACCTGCGGAT
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Protein Sequence:

>RC226335 representing NM_001105540
 Red=Cloning site Green=Tags(s)

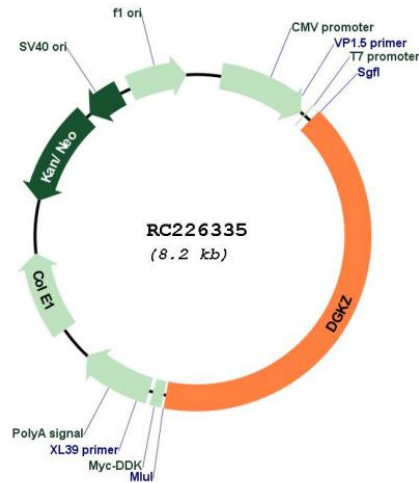
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001105540

ORF Size: 3351 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:	<ol style="list-style-type: none">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_001105540.2</u>
RefSeq ORF:	3354 bp
Locus ID:	8525
UniProt ID:	<u>Q13574</u>
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	123.9 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]