

Product datasheet for **SC331287**

DGKZ (NM_001199268) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGKZ (NM_001199268) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGKZ
Synonyms:	DAGK5; DAGK6; DGK-ZETA; hDGKzeta
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331287 representing NM_001199268.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAGCCGCGGGACGGTAGCCCCGAGGCCCGGAGCAGCGACTCCGAGTCGGCTTCCGCCTCGTCCAGC
 GGCTCCGAGCGCAGCCGGTCCCGAGCCGGACAAGGCCGCGCGGCGACTCAACAAGCGGCGCTTCCCG
 GGGTCCGGCTCTTCGGGCACAGGAAAGCCATCACCAAGTCGGGCTCCAGCACCTGGCCCCCTCCG
 CCCACCCTGGGGCCCCGTGCAGCGAGTCAGAGCGGCAGATCCGGAGTACAGTGGACTGGAGCGAGTCA
 GCGACATATGGGAGCACATCTGGTTCGAGACCAACGTGTCCGGGACTTCTGCTACGTTGGGGAGCAG
 TACTGTGTAGCCAGGATGCTGCAGAAGTCAAGTGTCTCGAAGAAAGTGCAGCAGCTGCAAGATTGTGGTG
 CACACGCCCTGCATCGAGCAGCTGGAGAAGATAAATTTCCGCTGTAAAGCCGTCCTTCCGTGAATCAGGC
 TCCAGGAATGTCCGCGAGGGATTCCAGCAGAAGTTCACCTTCCACAGCAAGGAGATTGTGGCCATCAGC
 TGCTCGTGGTGAAGCAGGCATACCACAGCAAGGTGTCTGCTTTCATGCTGCAGCAGATCGAGGAGCCG
 TGCTCGTGGGGTCCACGCAGCCGTGGTTCATCCCGCCACCTGGATCCTCCGCGCCGGAGGCCCCAG
 AATACTCTGAAAGCAAGCAAGAAGAAGAAGAGGGCATCCTTCAAGAGGAAGTCCAGCAAGAAGGGCCT
 GAGGAGGGCCGCTGGAGACCCTTTCATCATCAGGCCACCCCTCCCGCTCATGAAGCCCTGCTGGTG
 TTTGTGAACCCCAAGAGTGGGGGAACAGGGTGC AAAGATCATCCAGTCTTTCCCTGTTATCTCAAT
 CCCCAGCAAGTCTTCGACCTGAGCCAGGGAGGGCCCAAGGAGGCGCTGGAGATGTACCGCAAAGTGAC
 AACCTGCGGATCCTGGCGTGCAGGGGCGACGGCAGCGTGGGCTGGATCCTTCCACCCTGGACCAGCTA
 CGCCTGAAGCCGCCACCCCTGTTGCCATCCTGCCCTGGGACTGGCAACGACTTGGCCGAACCCCTC
 AACTGGGGTGGGGGTACACAGATGAGCCTGTGTCCAAGATCCTTCCCACGTGGAGGAGGGGAACGTG
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 GCGCCACCGACCGTGGCCCTGGATGTCTTCAACAATACTTACGCTGGGCTTTCGGAATAAGATG
 ACCCTGGAGTCCACAGTCTCGAGAGCCCAACCCAGAGAAATCAACAGCCGCTTTCGGAATAAGATG
 TTCTACGCCGGGACAGCTTTCTCTGACTTCTGATGGGCAGCTCCAAGGACCTGGCCAAGCACATCCGA
 GTGGTGTGTGATGGAATGGACTTACTCCCAAGATCCAGGACCTGAAACCCAGTGTGTTGTTTTCTG
 AACATCCCAGGTAAGTGTGCGGGACCATGCCCTGGGGCCACCCTGGGGAGCACCACGACTTTGAGCCC
 CAGCGCATGACGACGGCTACCTCGAGGTATTGGCTTACCATGACGTCGTTGGCCGCGCTGCAGGTG
 GCGGACACGGGAGCGGCTGACGAGTGTGCGAGGTGGTGTCTACCACATCCAAGGCCATCCCGGTG
 CAGGTGGATGGCAGCCCTGCAAGCTTGCAGCCTCAGCATCCGCATCGCCCTGCGCAACCAGGCCACC
 ATGGTGCAGAAGGCCAAGCGGCGGAGCGCCGCCCTGCACAGCGACCAGCAGCCGGTCCAGAGCAG
 TTGCGCATCCAGGTGAGTCGCGTCAAGTGCACGACTATGAGGCCCTGCACTACGACAAGGAGCAGCTC
 AAGGAGGCTCTGTGCCCTGGGCACTGTGGTGGTCCCAGGAGACAGTGACCTAGAGCTCTGCCGTGCC
 CACATTGAGAGACTCCAGCAGGAGCCCGATGGTGTGGAGCCAAGTCCCGACATGCCAGAACTGTCC
 CCCAAGTGGTGTCTTCTGGACGCCACCCTGCCAGCCGCTTCTACAGGATCGACCAGCCAGGAGCAC
 CTCAACTATGTGACTGAGATCGCACAGGATGAGATTTATATCCTGGACCTGAGCTGCTGGGGGCATCG
 GCCCGCTGACCTCCCAACCCCACTTCCCTCTCCCACTCACCTGCTCACCCAGCCCGGTC
 CTGCAAGGGATGCTGCACCCCTCAAGGTGAAGAGCTGATTGAGGCTGCCAAGAGGAACGACTTCTGT
 AAGCTCCAGGAGCTGCACCGAGCTGGGGCGACCTCATGCACCGAGACGAGCAGAGTCCGACGCTCCTG
 CACCACGCAGTCAGCACTGGCAGCAAGGATGTGGTCCGCTACCTGCTGGACCAGCCCGCCAGAGATC
 CTTGATGCGGTGGAGAAAACGGGAGACCTGTTTGCACCAAGCAGCGCCCTGGGCCAGCGCACCATC
 TGCCACTACATCGTGGAGCCGGGGCTCGCTCATGAAGACAGACCAGCAGGGCGACACTCCCGGCGAG
 CGGGCTGAGAAGGCTCAGGACACCGAGCTGGCCGCTACCTGGAGAACCAGCAGCACTACCAGATGATC
 CAGCGGGAGGACCAGGAGACGGCTGTGTAG

Restriction Sites: Sgfl-Mlul
ACCN: NM_001199268
Insert Size: 2721 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	NM_001199268.1
RefSeq Size:	3590 bp
RefSeq ORF:	2721 bp
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:	101.2 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (7) has an alternate 5' sequence including the coding region and extra nts CAG at an alternate splice site in the CDS, and lacks an in-frame coding exon, compared to variant 4. The resulting isoform (7) has a shorter and distinct N-terminus and an internal additional aa, and lacks an internal segment, compared to isoform 4.</p>