

Product datasheet for **SC308035**

DGKA (NM_201445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGKA (NM_201445) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGKA
Synonyms:	DAGK; DAGK1; DGK-alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC308035 representing NM_201445.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCAAGGAGAGGGGCCTAATAAGCCCCAGTGATTTTGCCAGCTGCAAAAAATACATGGAATACTCC
ACCAAAAAGGTCAGTGATGTCTAAAGCTCTTCGAGGATGGCGAGATGGCTAAATATGTCCAAGGAGAT
GCCATTGGGTACGAGGGATTCCAGCAATTCCTGAAAATCTATCTCGAAGTGGATAATGTTCCAGACAC
CTAAGCCTGGCACTGTTTCAATCCTTTGAGACTGGTCACTGCTTAAATGAGACAAATGTGACAAAAGAT
GTGGTGTGTCTCAATGATGTTTCTGCTACTTTTCCCTTCTGGAGGGTGGTCGGCCAGAAGACAAGTTA
GAATTCACCTTCAAGCTGTACGACACGGACAGAAATGGGATCCTGGACAGCTCAGAAGTGGACAAAATT
ATCCTACAGATGATGCGAGTGGCTGAATACCTGGATTGGGATGTGTCTGAGCTGAGGCCGATTCTTCAG
GAGATGATGAAAGAGATTGACTATGATGGCAGTGGCTCTGTCTCTCAAGCTGAGTGGTCCGGGCTGGG
GCCACCACCGTGCCACTGCTAGTGTCTGGGTCTGGAGATGACTCTGAAGGACGACGGACAGCACATG
TGGAGGCCAAGAGGTTCCCGAGACCAGTCTACTGCAATCTGTGCGAGTCAAGCATTGGTCTTGGCAAA
CAGGGACTGAGCTGTAACCTCTGTAAGTACACTGTTACGACCAGTGTGCCATGAAAGCCCTGCCTTGT
GAAGTCAGCACCTATGCCAAGTCTCGGAAGGACATTGGTGTCCAATCACATGTGTGGGTGCGAGGAGGC
TGTGAGTCCGGGCGCTGCGACCGCTGTCAGAAAAAGATCCGGATCTACCACAGTCTGACCGGGTGCAT
TGTGATAGGTGCCACCTAGAGATCCACGATGACTGCCTGCAAGCGGTGGGCCATGAGTGTGACTGTGGG
CTGCTCCGGGATCACATCCTGCCTCCATCTTCCATCTATCCCAGTGTCTGGCCTCTGGACCGGATCGT
AAAAATAGCAAAACAAGCCAGAAGACCATGGATGATTTAAATTTGAGCACCTCTGAGGCTCTGCGGATT
GACCCTGTTCTAACACCACCCACTTCTCGTCTTTGTCAATCCTAAGAGTGGCGGAAGCAGGGGCAA
AGGGTCTCTGGAAGTTCCAGTATATATTAACCCTCGACAGGTGTTCAACCTCCTAAAGGATGGTCTCT
GAGATAGGGCTCCGATTATTCAAGGATTTCTGATAGCCGGATTTTGGTGTGGTGGAGACGGCACACA
GTAGGCTGGATTCTAGAGACCATTGACAAAGCTAACTGCCAGTTTTGCCTCCTGTTGCTGTGTTGCC
CTGGTACTGAAATGATCTGGCTCGATGCCTAAGATGGGAGGAGGTTATGAAGGACAGAATCTGGCA
AAGATCCTCAAGGATTTAGAGATGAGTAAAGTGGTACATATGGATCGATGGTCTGTGGAGGTGATACCT
CAACAACTGAAGAAAAAGTGACCCAGTCCCCTTCAAATCATCAATACTACTTCTCTATTGGCGTG
GATGCCTCTATTGCTCATCGATTCCACATCATGCGAGAGAAATATCCGGAGAAGTTCAACAGCAGAATG
AAGAACAAGCTATGGTACTTCAATTTGCCACATCTGAATCCATCTTCTCAACATGCAAAAAGCTGGAG
GAGTCTTTGACAGTTGAGATCTGTGGAAACCGCTGGATCTGAGCAACCTGTCCCTAGAAGGCATCGCA
GTGCTAAACATCCCTAGCATGCATGGTGGCTCCAACCTCTGGGGTGATACCAGGAGACCCCATGGGGAT
ATCTATGGGATCAACCAGGCCTTAGGTGCTACAGCTAAAGTCATCACCGACCCTGATATCCTGAAAACC
TGTGTACCAGACCTAAGTGACAAGAGACTGGAAGTGGTGGGCTGGAGGGTGCAATTGAGATGGGCCAA
ATCTATACCAAGCTCAAGAATGCTGGACGTCGGCTGGCCAAGTGTCTGAGATCACCTTCCACACCACA
AAAACCTTCCATGCAATTGACGGAGAACCCTGGATGCAGACGCCCTGTACAATCAAGATCACCCAC
AAGAACCAGATGCCCATGCTCATGGGCCACCCCCCGCTCCACCAATTTCTTGGCTTCTTGAGCTAA

```

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_201445

Insert Size: 2208 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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_201445.1
RefSeq Size:	2769 bp
RefSeq ORF:	2208 bp
Locus ID:	1606
UniProt ID:	P23743
Cytogenetics:	12q13.2
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	82.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2), as well as variants 1 and 3-6, encodes isoform a.</p>