

Product datasheet for **SC121274**

DGKA (NM_201554) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGKA (NM_201554) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGKA
Synonyms:	DAGK; DAGK1; DGK-alpha
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_201554, the custom clone sequence may differ by one or more nucleotides

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ATGCCAAGGAGAGGGGCTAATAAGCCCCAGTGATTTGCCAGCTGCAAAAATACATGGAATACTCCA  
CCAAAAAGTTCAGTGATGTCCTAAAGCTCTTCGAGGATGGCGAGATGGCTAAATATGTCCAAGGAGATGC  
CATTGGGTACGAGGGATTCCAGCAATTCCTGAAAATCTATCTCGAAGTGGATAATGTTCCAGACACCTA  
AGCCTGGCACTGTTCAATCCTTTGAGACTGGTCACTGCTTAAATGAGACAAATGTGACAAAAGATGTGG  
TGTGTCTCAATGATGTTTCTGCTACTTTCCCTTCTGGAGGGTGGTCGCCAGAACAGCAAGTTAGAATT  
CACCTTCAAGCTGTACGACACGGACAGAAATGGGATCCTGGACAGCTCAGAAGTGGACAAAATTATCCTA  
CAGATGATGCGAGTGGCTGAATACCTGGATTGGGATGTGTCTGAGCTGAGGCCGATTCTTCAGGAGATGA  
TGAAAGAGATTGACTATGATGGCAGTGGCTCTGTCTCTCAAGCTGAGTGGGTCCGGGCTGGGCCACCAC  
CGTGCCACTGCTAGTGTCTGGGTCTGGAGTACTCTGAAGGACGACGGACAGCACATGTGGAGGCC  
AAGAGGTTCCCCAGACCAGTCTACTGCAATCTGTGCGAGTCAAGCATTGGTCTTGCCAAACAGGGACTGA  
GCTGTAACCTCTGTAAGTACACTGTTCCAGACCAGTGTCCATGAAAGCCCTGCCTTGTGAAGTCAGCAC  
CTATGCCAAGTCTCGGAAGGACATTGGTGTCCAATCACATGTGTGGGTGCGAGGAGGCTGTGAGTCCGGG  
CGCTGCCACCGCTGTGCAAAAAGATCCGGATCTACCACAGTCTGACCGGGCTGCATTGTGTATGGTGCC  
ACCTAGAGATCCACGATGACTGCCTGCAAGCGGTGGGCCATGAGTGTGACTGTGGGCTGTCCGGGATCA  
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CCCACCCTTCTCGTCTTTGTCAATCCTAAGAGTGGCGGAAGCAGGGGCAAAGGGTGTCTGGAAGTT  
CCAGTATATATTAACCCTCGACAGGTGTTCAACCTCCTAAAGGATGGTCTGAGATAGGGCTCCGATTA  
TTCAAGGATGTTCTGATAGCCGGATTTGGTGTGTGGTGGAGACGGCACAGTAGGCTGGATTCTAGAGA  
CCATTGACAAAAGCTAACTTGCCAGTTTTGCCTCCTGTTGCTGTGTTGCCCTGGGTACTGGAAATGATCT  
GGCTCGATGCCTAAGATGGGGAGGAGTTATGAAGGACAGAATCTGGCAAGATCCTCAAGGATTTAGAG  
ATGAGTAAAGTGGTACATATGGATCGATGGTCTGTGGAGGTGATACCTCAACAACTGAAGAAAAAGTG  
ACCCAGTCCCCTTTCAAATCATCAATAACTACTTCTCTATTGGCGTGGATGCCTCTATTGCTCATCGATT  
CCACATCATGCGAGAGAAATATCCGGAGAAGTTCAACAGCAGAATGAAGAACAAGCTATGGTACTTCGAA  
TTTGCCACATCTGAATCCATCTTCTCAACATGCAAAAAGCTGGAGGAGTCTTTGACAGTTGAGATCTGTG  
GAAACCGCTGGATCTGAGCAACCTGTCCCTAGAAGGCATCGCAGTGTAAACATCCCTAGCATGCATGG  
TGGCTCAACCTCTGGGGTGATACCAGGAGACCCCATGGGGATATCTATGGGATCAACCAGGCCTTAGGT  
GCTACAGCTAAAGTCATACCGACCCTGATATCCTGAAAACCTGTGTACCAGACCTAAGTGACAAGAGAC  
TGGAAGTGGTTGGGCTGGAGGGTGAATTTGAGATGGGCCAAAATCTATACCAAGCTCAAGAATGCTGGACG  
TCGGCTGGCCAAGTGTCTGAGATCACCTCCACACCACAAAAACCTTCCCATGCAAAATGACGGAGAA  
CCCTGGATGCAGACGCCCTGTACAATCAAGATCACCCACAAGAACCAGATGCCCATGCTCATGGGCCAC  
CCCCCGCTCCACCAATTTCTTTGGCTTCTTGAGCTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_201554 unedited CCCCCTTTCCCGCCGCGCAGNCGCATTGGGCGGTAGGCGGTACGGTGGGAGGTCTATATA AGCAGTTTTTCATTTAGGTGACACTAGAGGGGCGGGCGTCTTGTCTTTTTGCAGCGGCCG CGAATTCGGCACGAGGCCAGCTCCAGCGCCGGCGCTTCAGCTGCGACCGCGAGCCCTCTC AAGCAAGGCCTACCCTCTGAAGAGGTCCAAGCAACGGAAGTACTACTACGAAGCTGCCTT TCTGGGGTGTGAGAAAAATATACTGATGGCCAAGGAGAGGGGCCTAATAAGCCCCAG TGATTTTGCCAGCTGCAAAAAATACATGGAATACTCCACCAAAAAGGTCAGTGATGCCT AAAGCTCTTCGAGGATGGCGAGATGGCTAAATATGTCCAAGGAGATGCCATTGGGTACGA GGGATTCCAGCAATTCCTGAAAATCTATCTCGAAGTGGATAATGTTCCAGACACCTAAG CCTGGCACTGTTCAATCCTTTGAGACTGGTCACTGCTTAAATGAGACAAATGTGACAAA AGATGTGGTGTCTCAATGATGTTTCTGCTACTTTTCCCTTCTGGAGGGTGGTCGGCC AGAAGACAAGTTAGAATTCACCTTCAAGCTGTACGACACGACAGAAATGGGATCCTGGA CAGCTCAGAAGTGACAAAATTATCCTACAGATGATGCGAGTGGCTGAATACCTGGATTG GGATGTGTCTGAGCTGAGGCCGATTCTTCAGGAGATGATGAAAGAGATTGACTATGATGG CAGTGGCTCTGTCTCAAGCTGAGTGGGTCCGGGCTGGGGCCACCACCGTGCCACTGCT AGTGTCTGGGTCTGGAGATGACTCTGAAGGACGACGGACAGCACATGTGGTAGGCCCA GAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_201554
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).
RefSeq:	NM_201554.1 , NP_963848.1
RefSeq Size:	2669 bp
RefSeq ORF:	2208 bp
Locus ID:	1606
UniProt ID:	P23743 , A0A024RB23
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system
Gene Summary:	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] Transcript Variant: This variant (4), as well as variants 1-3, 5, and 6, encodes isoform a.