

Product datasheet for **MC219071**

Dgke (NM_019505) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dgke (NM_019505) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dgke
Synonyms:	C87606; DAGK6; DGK
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219071 representing NM_019505
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGGGACCAGCGTCCGGCCACCCGCCAGAGCCTGCTCCCTGATGGCCACTTGGTCTATGGA
 CGCTGTGCTCCGTGCTGTTGCCGGTGTTCATCACTTTATGGTGTAGCCTGCAGCGGTTCGCCCGGACGCT
 GCACCGCAGGGATATCTTCCGCAAGAGCAAGCATTGCTGGCGTGACACCGACCTGTTCCAGCCACCCACC
 TACTGCTGCGTGTGCGCGCAGCACATCCTGCAAGGAGCCTTCTGCGACTGCTGTGGGCTCCGCGTGGACG
 AGGGTGCCTCAAGAAGGTGACAAAGCGCTTCCCGTCAAGGAGATCATGCTCAAGAACGACAAGGCCGC
 AGATGCCATGCCACCACCTGGATCCGCGGCAACGTGCCCTGTGCTTACTGTGTATTCTGCAGGCAG
 CAGTGTGCAGCCAGCCTAAACTGTGCGATTACAGGTGCATTTGGTGCCAGAAGACAGTCCACGACGAGT
 GCATGCGAGGCAGCTTAAGGAGCGAAAAGTGTGACTTTGGAGAATTCAGAAACCTCATCATCCGCCAAG
 CTACTTAACTTCTATTAACCAGATGCGTAAAGACAAAAACAAAATTATGAAGGGCTTGCTTCTAAGTTT
 GGAAAGCAATGGACCCCATTAATAATCCTAGCCAACTCTCGTAGTGGAACAACTGGGAGAAGGTCTGT
 TGGGAGAGTTTAAGATCCTGTTAAATCCAGTCCAGGTGTTTGTATGTAACAAAACCCCGCATCAAGC
 TCTGCAGCTGTGCACTCTTCTTCTTATTACTCAGTTCGAGTCCCTGTTTGTGGAGGGGACGGGACTGTG
 GGCTGGTCCCTCGATGCCATTGATGAAATGAAGATTAAGGGACAAGAAAAATACATTCCAGAGGTTGCGG
 TCTTACCTCTGGGAACAGGTAATGATCTGTCCAATACCCTGGGTGGGGTACAGGCTATGCTGGAGAAAT
 TCCGGTTGCACAGGCTTAAGAAATGTAATGGAAGCAGATGGAATCAAACCTAGACAGATGGAAAGTTCAG
 GTAACAAAATAAGGATACTACAATTTAAGAAAACCAAGGAGTTCACAATGAACAACACTTCTCTGTTG
 GACCTGATGCCCTCATGGCTCTCAATTTTACGCTCATCGTGAGAAGGCACCATCTGTGTTTCCAGCCG
 AATCCTTAACAAGGCTGTTTATTTATTCTATGGAACAAAGATTGTTTAGTGCAAGAATGTAAAGATTTG
 AATAAAAAAATTGAGCTAGAACTGGATGGTGGAGGAGTTGAGCTGCCTAAGTGGAGGGCATAATTGTTT
 TGAACATTGGATACTGGGGCGGTGGCTGCAGACTGTGGGAAGGAATGGGAGATGAGACTTACCCTTAGC
 CAGACACGATGATGGCTTACTGGAAATCGTTGGCGTCTATGGGTCTTCCACTGTGCTCAAATCCAGGTG
 AAACCTGGCAAATCCTTTTGAATAGGACAAGCGCACACAGTGGCGTACTTTGAAGTGCCTCATGATGC
 CGATGCAGGTGGATGGGAGCCGTGGGCCAAGGCCCTGTACTGTCACCATAACGCACAAGACACACGC
 ACTGATGCTGACTTCTCTGGAGAGCAGTCAGATGACGACATCTCAAGCCCTTCGGATCATGAGGACGTA
 AAGGAAGCCGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_019505
- Insert Size:** 1695 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:

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_019505.3](#), [NP_062378.1](#)

RefSeq Size: 5208 bp

RefSeq ORF: 1695 bp

Locus ID: 56077

UniProt ID: [Q9R1C6](#)

Cytogenetics: 11 C

Gene Summary: Highly selective for arachidonate-containing species of diacylglycerol (DAG). May terminate signals transmitted through arachidonoyl-DAG or may contribute to the synthesis of phospholipids with defined fatty acid composition (By similarity).[UniProtKB/Swiss-Prot Function]