

Product datasheet for **MR220796**

Dgke (NM_019505) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR220796 representing NM_019505
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGGGGACCAGCGG[AT]CCGGCCACCCGCCAGAGCCTGCTCCCTGATGGCCACTTGGTCCTAT
 GGACGCTGTGCTCCGTGCTGTTGCCGGTGTTCATCACTTTATGGTGTAGCCTGCAGCGGTGCGCCGGCA
 GCTGCACCCGAGGGATATCTTCCGCAAGAGCAAGCATTGCTGGCGTGACACCGACCTGTTAGCCACCCC
 ACCTACTGCTGCGTGTGCGCGCAGCACATCCTGCAAGGAGCCTTCTGCGACTGCTGTGGGCTCCGCGTGG
 ACGAGGGTGCCTCAAGAAGGTCGACAAGCGCTTCCCGTGCAAGGAGATCATGCTCAAGAACGACAAGGC
 CGCAGATGCCATGCCCCACCACTGGATCCGCGGCAACGTGCCCTGTGCTCTTACTGTGTATTCTGCAGG
 CAGCAGTGTGGCAGCCAGCCTAACTGTGCGATTACAGGTGCATTTGGTCCAGAAGACAGTCCACGACG
 AGTGCATGCGAGGAGCTTAAGGAGCGAAAAGTGTGACTTTGGAGAATTCAGAAACCTCATCATCCCGCC
 AAGCTACTTAACTTCTATTAACAGATGCGTAAAGACAAAAACAAAATTATGAAGGGCTTGCTTCTAAG
 TTTGGAAAAGCAATGGACCCCATTAATAATCCTAGCCAACCTCTCGTAGTGGAACTAACATGGGAGAAGGTC
 TGGTGGGAGAGTTAAGATCCTGTTAAATCCAGTCCAGGTGTTTGTATGTAATAAACTCCCCGATCAA
 AGCTCTGCAGCTGTGCACTCTTCTTCTTATTACTCAGTTCGAGTCTTGTGTTGTGGAGGGGACGGGACT
 GTGGGCTGGGCTCCTCGATGCCATTGATGAAATGAAGATTAAGGGACAAGAAAAATACATTCAGAGGTTG
 CGGTCTTACCTCTGGGAACAGGTAATGATCTGTCCAATACCCTGGGTGGGGTACAGGCTATGCTGGAGA
 AATTCGGTTCACAGGCTTAAAGAAATGTAATGGAAGCAGATGGAATCAAAGTACAGAGATGAAAAGTT
 CAGGTAACAAATAAAGGATACTACAATTAAGAAAACCAAGGAGTTCACAATGAACAACACTACTTCTGT
 TTGGACTGATGCCCTCATGGCTCAATTTTACGCTCATCGTGAAGGACCACTCTGTTTTCCAG
 CCGAATCCTTAACAAGGCTGTTTATTTATCTATGGAACATAAGATTGTTTGTGCAAGAATGTAAGAT
 TTGAATAAAAAAATTGAGCTAGAACTGGATGGTGAAGGAGTTGAGCTGCCTAACTGGAGGGCATATTG
 TTCTGAACATTGGATACTGGGGCGGTGGCTGCAGACTGTGGGAAGGAATGGGAGATGAGACTTACCTCT
 AGCCAGACACGATGATGGCTTACTGAAATCGTTGGCGTCTATGGGTCTTCCACTGTGCTCAAATCCAG
 GTGAACTGGCAAATCCTTTTGAATAGGACAAGCGCACACAGTGGGCTGACTTTGAAGTGTCCATGA
 TGCCGATGCAAGTGGATGGGAGCCGTGGGCCCAAGGCCCTGTACTGTACCATAACGCACAAGACACA
 CGCACTGATGCTGACTTCTCTGGAGAGCAGTCAGATGACGACATCTCAAGCCCTTCGGATCATGAGGAC
 GTAAAGGAAGCCGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220796 representing NM_019505
 Red=Cloning site Green=Tags(s)

MEGDQRXXGPPAQSLLPDGHVLWTLCSVLLPVFITLWCSLQSRRLHRRDIFRKSCHKWRDLDLFSHP
 TYCCVCAQHILQGAFCDCCGLRVDEGLKVKDRFPCKEIMLKNDKAADAMPHHWIRGNVPLCSYCVFCR
 QQCGSQPKLCDYRCIWCQKTVHDECMRGLRSEKCDFGEFRNLIIPPSYLT SINQMRKDKNTNYEGLASK
 FGKQWTPLIILANSRSGTNMGEGLLGEFKILLNPVQVFDVTKPPIKALQLCTLLPYYSVRVLCGGDGT
 VGWVLD AIDEMKIKGQEKYIPEVAVLPLGTGNDLSNTLWGTGYAGEIPVAQVLRNVMEADGIKDRWKV
 QVTNKGYYNLRPKFTMNNYF SVGPDALMALNFHAHREKAPSLFSSRILNKAVYLYFGTKDCLVQECKD
 LNKKIELELDGERVELPNLEGIIVLNIGYWGGCRLWEGMGDETYPLARHDDGLLEIVGVYGSFHCAQIQ
 VKLANPFRIGQHTVRLTLKCSMMPMQVDGEPWAQGPCTVTITHKTHALMLYFSGEQSDDDISSPSDHED
 VKEAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9015_b08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_019505

ORF Size: 1695 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:
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_019505.1](#), [NM_019505.2](#), [NM_019505.3](#), [NP_062378.1](#)

RefSeq Size: 5208 bp

RefSeq ORF: 1695 bp

Locus ID: 56077

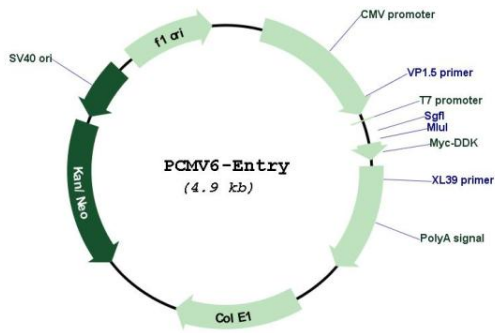
UniProt ID: [Q9R1C6](#)

Cytogenetics: 11 C

MW: 64.1 kDa

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]

Product images:



Circular map for MR220796