

Product datasheet for **RN200972**

Dgkb (NM_019304) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dgkb (NM_019304) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dgkb
Synonyms:	Dagk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200972 representing NM_019304
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAAACCAGGAAAAATGGGCCATCTCAGCCCTCAGAATTTCCCAACTTCAGAAATATGCTGAGT
 ATTCTACAAGAAATTAAGGATGTTCTTGAAGAATTCATGGTAATGGTGTGCTTGCAAAGTATAATCC
 TGAAGGAAACAAGATATTCTTAACCAAACCATAGATTTTGAAGGATTCAAGCTGTTTCATGAAGACCTTC
 CTGGAAGCTGAGCTCCCTGACGATTTCACTGCCACCTTTTCATGTCATTGAGCAACAAATCCCCATT
 CCAGCCCCAACGTAAGAGCAAGCCAGCTCTGCTTTCAGGTGGTTTGGAGATGAATAAGGGTGCCATCAC
 CCCTCCACGTTCTTCTCCAGCAAATACGTGCTTCCCGAAGTGATCCACCTCAAGGATATTGTCTGTTAC
 CTGTCTCTTCTGAAAGAGGAAGACCTGAGGACAAGCTTGAGTTTATGTTTCGCCTGTATGACACCGATG
 GGAATGGCTTCTGGACAGCTCGGAATTAGAAAATATCATCGGTCAGATGATGCATGTTGCCGAGTACCT
 GGATGGGATGTTACTGAACTTAATCCGATCCTTCATGAAATGATGGAAGAAATCGACTATGACCGTGAC
 GGCACTGTGCTCTGGAAGAGTGGATTCAAGGAGGAATGACGACTATCCCACTTCTAGTCTTGCTGGGCT
 TGGAAAACAATGTGAAGGATGACGGACAGCATGTGTGGCGACTCAAGCACTTTAAACAAGCCCGCCTACTG
 CAATCTCTGCCTGAACATGCTGATTGGCGTGGGAAGCAGGGCCTCTGCTGCTCCTTCTGCAAGTACACC
 GTCCATGAGCGCTGTGCCAGAGCCCCGCCCTCTGCATCAAGACCTATGTGAAGTCCAAGAAGAACAAGT
 ACGTCATGCACCATATTGGGTGGAAGCAATTGCCCAACCAAGTGTGATAAGTGCCACAAGACAGTGAA
 ATGTTACCAGGGCCTGACGGGCTGCACTGTGTTGGTGTGACACCAGCTGCACAATAAATGTGCTTCT
 CATCTGAAGCCTGAATGTGACTGTGGACCTTGAAGGACCATATTTGCCACCCACCACAATCTGTCCAG
 TTGTATTGACTATGCCCACTGCCGGAACCTCAGTTTCTGAGGAAAGACAGTCAACAGCTAAAAAGGAAAA
 GGGCAGCTCCAGCAGCCAAATAAAGTGACAGACAAGAACAATAAGTGAAGAGCTAACTCTGTCACTATG
 GATGGACAAGGTTTGCAGATCACTCCTATTCTGGCACACATCCTCTTCTAGTTTTGTCAACCCTAAAA
 GTGGTGGGAAGCAAGGAGAACGAATTTACAGAAAATCCAGTATCTTCTAAATCCTCGTCAAGTTTACAG
 TCTTTCTGAAAATGGACCAATGCCAGGTTTACATTTTTTTCGCGATGTCCCTGACTTCAGAGTGTAGCA
 TGCGGTGGAGATGGGACTGTGGGCTGGATTTGGACTGCATAGAAAAGGCCAATGTAGTCAAGCACCCCTC
 CAGTTGCTATCCTGCCTTTGGACGGCAATGACCTAGCAAGATGCCTGCGGTGGGGTGGAGGTTATGA
 AGGTGAAAATCTTATGAAGATCCTAAAAGACATTGAAAGCAGCACAGAAATCATGTTGGACAGTGGAAAG
 TTTGAAGTCAACCCAACGACAAAGACGAGAAAGGAGACCCTGTGCCTTACAGCATCATCAACAACACTACT
 TTTCCATTGGCGTGGATGCTTCCATTGCACACAGATTCCACATCATGAGAGAAAAGCACCCGGAGAAATT
 CAACAGCCGAATGAAGAACAATTTTGGTACTTTGAGTTTGGCACATCAGAAAACCTTCTCAGCCACCTGC
 AAGAACTGCATGAATCTGTAGAAATAGAATGTGATGGAGTACAGATAGATTTGATAAACATCTCTCTGC
 AAGGAATTGCAATTTTGAATATACCAAGCATGCATGGAGGATCTAATCTTTGGGGAGAATCTAAAAAGAA
 AAGAAGTCATCGACGGATAGAGAAAAAGGCTCTGACAAAAGACCCTCTCACAGATGCAAAAAGAACTG
 AAGTTTGAAGTCAAGATCTGAGTGACCAGCTACTGGAGGTTGTTGGCTTGAAGGAGCAATGGAAATGG
 GCCAAATATACACGGGCTGAAAAGTGTGGCCGGCGCTGGCTCAGTGCTCCTCTGTGGTTATCAGGAC
 AAGCAAGTCACTGCCAATGCAGATTGATGGAGAGCCATGGATGCAGACCCCATGCACAATAAAAAATTACA
 CACAAGAACCAGCCCAATGCTGATGGACCTCCACCTAAAACCTGGATTATTCTGCTCCCTCATCAAAA
 GAACAAGAAACCGAAGCAAGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_019304
 Insert Size: 2406 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_019304.1 , NP_062177.1
RefSeq Size:	6211 bp
RefSeq ORF:	2406 bp
Locus ID:	54248
UniProt ID:	P49621
Cytogenetics:	6q21
Gene Summary:	beta isotype of the diacylglycerol kinase family, regulates intracellular concentrations of the second messenger diacylglycerol (DAG) [RGD, Feb 2006]