

Product datasheet for **RN214094**

Dgki (NM_198782) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dgki (NM_198782) Rat Untagged Clone
Tag: Tag Free
Symbol: Dgki
Synonyms: rDGKi-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214094 representing NM_198782
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGCTCGGGGAAGGGGCTGCCATTTGCTGCCCTGCCAGCGGCGCGGGACCTGCCCGCTCCCG
CCGCTCCAGCGCCCTCAGCCCGCCGGCTCTGCAGCGGCACCGCTCGGCTTCTCCGCGCCCGCGG
AGCGGTGCCATGAACCCAGCTCCTCGGCGGGAGAGAGAGAGGGGCGACGGGCGGTAGCAGCAGCAGC
GGAAGCGGCGCCGGGAGCTGCTGCCTGGGCGCCGAGGGCGGCTGGACCCGCGGGGTGCAGGGGACGCGG
CGGCTGCTGCCTTGAGGAGCCCGCGCCCGGACAGAAAGAGAAGGAAGAGGGCTGGAGGAGAAGCT
GAGGGACTTAACCTTCCGGAAGCAGGTCTCTTACAGGAAAGCCATCTCCCGGACAGGCCTCCAGCATCTG
GCTCCTGCACATCCTCTTGGTCTTCTGTGGCAAACGGTCCAGCGAAGGAGCCAGAGCGACTCTGGACT
GGAGTGAGAAATGCTGTGAATGGGAGCACCTATGGCTGGAGACCAACGTCTCGGGGACCTCTGCTACTT
GGGGGAGGAGAACTGCCAAGTCCGATTTGCAAAATCCGCTCTCAGGAGGAAGTGTCTGTCTGCAAAAT
GAGGCTCCAGATCGCCAAGAGAAAACCTTTGTGCCCATCACTGGGTCCACAGGAGCGGACAGGAGGAAA
ATGTAAGCAGTGTGGTAAGGGCTTCCAGCAAAAGTTCTCCTTCCACAGTAAAGAGATCGTGGCCATCAGC
TGTTCTTGGTGCAAGCAGGCGTTTCAACAATAAAGTGACCTGCTTCATGCTGCATCACATCGAGGAACCT
GCTCCCTGGGGGCTCATGCTGCTGTTATTGTCCCGCCACCTGGATCATTAAAGTGAAGAAACCTCAGAA
CTCCCTGAAGGCTTCCAACCGGAAGAAGAAAAGAAACAAGTTTTAAAGGAAAGCCAGTAAAAGAGGAACC
GAGCAGGAAAACAAGGTCGCTCTTTGTGATCAAGCCATCTCCTCTCATGAAGCCTTTGCTTG
TCTTTGTGAACCAAAGAGTGGGGAAACCAGGGAACCAAGTCTACAGATGTTTATGTGGTACCTGAA
TCCACGGCAAGTCTTTGACCTTTCTCAGGAAGGGCCAAAAGATGCGCTGGAGCTGTACAGGAAGGTACCA
AATCTGCAATTCTGGCCTGCGGTGGGATGGAACGGTGGGCTGGATCCTCTCCATCCTGGACGAGCTGC
AGCTGAGCCACAGCCTCCTGTGGGGTCTTCCGCTGGGACTGGGAACGACCTGGCTCGGACGCTCAA
CTGGGGAGGGGTTACACCGATGAGCCTGTTTCTAAGATCCTGTGCCAGGTGGAAGACGGGACCATTGTA
CAGTTGGATCGCTGGAACCTCCATGTGGAGAGAAAACCCAGACTTGCCACCTGAAGAACTGAAGATGGCC



TGTGTAAGCTTCCTCTGAATGTCTTCAATAAATACTTCAGCCTTGGATTTGACGCTCATGTCACATTGGA
 GTTCCATGAATCCCGAGAAGCAAATCCAGAGAAATTAATAGTCGTTTTTCGAAATAAAATGTTCTATGCG
 GGGGCAGCCTTTTCTGATTTCTACAGAGAAGTTCTAGAGATCTATCCAAGCACGTCAAAGTTGTTTGTG
 ATGGGACAGACCTCACTCCAAAGATCCAGGACCTGAAGTTCCAGTGTATAGTATTTTTAAATATTTCCAG
 ATATTGTGCTGGCACAATGCCTTGGGAAACCTGGAGATCATCATGACTTTGAACCCAGCGTCATGAT
 GATGGTTACATTGAAGTCATCGGATTCACTATGGCCTCTTTGGCTGCCCTGCAAGTCGGGGCCACGGAG
 AAAGTTGCACCAATGTCGGGAAGTGATGCTTCTGACGTAACAAGTCCATTTCCATGCAAGTGGACGGGA
 GCCATGTAGTTGGCGCCTGCTATGATTGGATCTCCTTGAGGAATCAGGCCAACATGGTACAGAAGAGC
 AAGCGGAGAACCTCAATGCCTTTGCTCAATGATCCCCAGTCTGTCCCAGATCGCCTGAGGATCCGCGTGA
 AAAAAATCAGTTTACAAGACTATGAAGGACTCCACTATGACAAGGAGAACTCCGGGAAGCGTCCATCCC
 CCTGGGTATTCTAGTTGTTCTGGGAGACTGTGATTTGGAGACTTGCCGTATGTACATAGACCGCCTGCAG
 GAGGACTTGCAGTCAGTTTCTTGGGTACAGAGAGTTCATTACCAGGACCAAGAACTTCCTTCCCCA
 GGGCGATCTCAGCTCAGAGGCTGTCCCCACGGTGGTCTCTAGACGCAACTTCTGCTGACCGCTTTTA
 TCGAATAGACAGATCTCAGGAACATTTGCACTTTGTGATGGAGATTTCTCATGATGAGATTTTTATTCTG
 GACCCAGATATGGTGGTGTACAGCAGGCAGGGACACCTCCAGGAATGCCAGACCTAGTGGTTGAACAGG
 CTCTGGGCTGTCTGACTGGTGGAAACCTGCCCTGAGGAAACGTATGCTGAGTGACAGTGGGATGATCAC
 ACCCCACTATGAGGACTCAGATCTGAAAGACTTCAGCCACTCCAGAGTGCTACAGTCACCAGTCTCTTCG
 GAAGATCATGCAATTCTGCAGGCAGTCATAACTGGTGACCTTATGAAGCTCATGGAAGCTATAAGAATG
 GAGGGAGTTTATTAATTCAGGGACCCGGGCACTGTTCCCTCCTTCACTACGCAGCCAAGACTGGCAATGG
 GGAGATCGTGAAGTACATCTTGACCATGGACCTGCGGAATTACTGGACATGGCAGACAGTGAACCGGT
 GAGACTGCACTGCACAAGGCCGCTGCCAAAGGAACCGGGCTGTATGCCAGCTTCTGGTGGACGCAGGAG
 CATCTCTGAGACAGACAGACTCCAAGGGAAAGACACCCCAAGAGCGAGCACAGCAGGCTGGGACCCGGA
 TTTGGCTGCTTACCTAGAAAGCCGACAGAACTATAAGATCATTGGCCACGAAGACCTGAAACTGCTGTT
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_198782
- Insert Size:** 3153 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_198782.2](#), [NP_942077.2](#)
- RefSeq Size:** 3915 bp

RefSeq ORF: 3153 bp

Locus ID: 688705

UniProt ID: [F1MAB7](#)

Cytogenetics: 4q22

Gene Summary: member of the family of diacylglyceride kinases which catalyze the phosphorylation of diacylglyceride to yield phosphatidic acid; involved in inositol lipid-mediated cell signaling [RGD, Feb 2006]