

Product datasheet for **MC203527**

Dgkb (NM_178681) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dgkb (NM_178681) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dgkb
Synonyms:	90kda; 6430574F24; C630029D13Rik; DAGK2; DGK; DGK-beta; mKIAA0718
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC070461
CACACACTTCCCGAATCAACGCGTTGTGCACACAAATCCTGGACCATGACAGATGAGAGAAGAGCAATAGG
CACGGACAACAGTGTAAAAACAATTATTGAAACTACAAAGATCAACAGCAATTTCAATTTGGAAAGAGTG
TGTATTCTGGAAGCCAGAGCTATTTTCATCATGAAACACAACCTGTAAAACTTTTAAATTTAAAGCTTTG
ACCAAGACCTGGAAGAAAGTCTTCATCCACTGTGTAAGGACCTCATCACCTACACCATGACAAACAG
GAAAAATGGGCCATCTCAGCCCCTCAGAAATTTCCCACTTCAGAAATATGCTGAGTATTCTACAAAGA
AATTAAGGATGTTCTTGAAGAATCCATGGTAATGGCGTGCTTGCAAAGTATAATCCTGAAGGGACCAT
AGATTTTGAAGGCTTCAAGCTATTCATGAAGACCTTTCTGGAAGCTGAGCTGCCTGACGATTTACCAGCC
CACCTTTTATGTCATTCAGCAACAAATTTCCCACTTCTAGCCCAATGTAAGAGTAAGCCCGCTCTTC
TTTCAGGTGGTCTCAGGATGAATAAGGGTGCCATCACCCCTCCAGTTCTCTCCAGCAATACATGCTC
CCCAGAAGTGATCCACCTCAAGGATATCGTCTGCTACCTGTCTCTCTCGAAAGAGGAAGACCCGAGGAT
AAGCTCGAGTTTATGTTTCGCCTTATGACACCGATGGGAATGGCTTCTGGACAGCTCGGAATTAGAAA
ATATTATTGGTCAGATGATGCACGTGGCAGAGTACCTCGAATGGGATGTTACCGAATTAATCCGATCCT
TCATGAAATGATGGAAGAAATTGACTATGACCCGGATGGCACTGTGTCTCTGGAGGAGTGGATTCAAGGA
GGAATGACAACATCCCCTTCTAGTCTGCTGGGCTTGGAAGTAAATGTGAAGGATGATGGACAGCATG
TGTGGCGACTCAAGCACTTAAACAAGCCTGCCTACTGCAATCTCTGCCTGAACATGCTGATTGGCGTGGG
GAAGCAGGGCCTCTGCTGCTCCTTCTGCAAGTACACGGTCCATGAGCGCTGTGTGCCAGAGCCCGCCC
TCCTGCATCAAGACATATGTGAAGTCCAAGAAAAACACAGACGTCATGCACCACTATTGGGTCGAAGGCA
ATTGCCCAACCAAGTGGGATAAGTGCCACAAAACAGTGAATGTTACCAGGGCCTGACGGGCTGCATTG
TGTTTGGTGCCAGACCACACTGCACAATAAATGTGCTTCTCATCTGAAGCCGAGTGTGACTGTGGACCC
TTGAAGGACCATATTTTGCACCTACCACAATCTGTCCAGTTGATTGACTATGCCAGTCTGGAGCCT
CAGTTCCTGAGGAAAGACAGTCCACAGCTAAAAAGGAAAAGAGCAGCTCCAGCAGCCAAATAAAGCAAC
AGACAAAATAAATGCAAAGAGCTAACTCAGTACTATGGATGGACAAGGTTTGCAGATCACTCCTGTT
CCTGGCACACATCCGCTTCTAGTTTTTGTCAACCCTAAAAGTGGTGGGAAGCAAGGAGAACGAATTTACA
GAAAAATCCAGTATCTCCTAAATCCTCGTCAGGTTTACAGTCTTTCTGAAATGGACCAATGCCAGGGT
ACACTTTTTTCGCGATGTCCTGACTTCAGAGTGTAGCATGCGGTGGAGATGGGACTGTGGCTGGATT
TTGGATTGCATAGAGAAGCCAATGTAGTCAAGCACCTCCAGTTGCCATCCTGCCTCTTGGACTGGCA



[View online »](#)

ATGACTTAGCAAGGTGCCTGCGGTGGGGTGGAGGTTATGAAGGGGAAAATCTTATGAAGATCCTAAAAGA
 CATTGAAAGCAGCACAGAAATCATGCTGGACAGGTGGAAGTTTGAAGTCACACCCAAACGACAAAGATGAG
 AAAGGAGACCCTGTGCCTTACAGCATCATCAATAACTACTTTTCCATTGGCGTGGATGCCTCCATTGCAC
 ACAGATCCACATCATGAGAGAAAAGCACCAGAGAAATCAACAGCCGAATGAAGAACAAATTTTGTA
 CTTTGAGTTTGGCACATCTGAAACCTTCTCAGCGACCTGCAAGAAGCTGCATGAATCTGTAGAAATAGAA
 TGTGATGGAGTACAAATAGATTTGATAAACATCTCTCTGGAAGGAATTGCAATTTTGAATATACCAAGCA
 TGCATGGAGGATCTAATCTTTGGGGAGAGTCTAAAAAGAAAAGAAGCCATCGACGAATAGAGAAAAAGG
 CTCTGACAAAAGACCCACTCTCACAGATGCAAAAAGAGCTGAAGTTTGAAGTCAAGATCTGAGTGACCAG
 CTGCTGGAGGTCTTGGCTTGGAAAGGAGCAATGGAAATGGGCCAAATTTACACGGCCTGAAAAGTGGCG
 GCCGGCGCTGGCTCAGTGTCTCTGTGGTTATCAGAACAAGCAAGTCACTGCCAATGCAGATTGATGG
 AGAGCCCTGGATGCAGACCCCATGCACAATAAAAATTACACACAAGAACCAAGCCCAATGCTGATGGGC
 CCTCCACCCAAAACCTGGATTATTCTGCTCACTTATCAAAAAGAACAAGAAACCGAAGCAAGGAGTGAGCCT
 CCATCGGGAGAAATCTAAATAGCATACTGGGCCATGGAACACTTTGAACCATTTACGTCCTCTGCTCC
 TACAAAATCATGGAATTCACAGTTTTTGTATTGCAATGATGAAAATTTGGCTATTAGAAAATTTGTTG
 TCTCTGTTTTTATAGGCCTATTTGCATGAAAAAGTAGAAGTTTATATAATGTGATACTGCATATTTAGT
 TGCATGCACTCCCATAGGGTTTCTGTTTCCCAAATGCATCTTATGCCATTTCCACTTACTGGCTGTGAGA
 AAGAAAAAATAACTGCAAAAGATCAAAGAAATATGATGGGAAAAGGATGCCCTGTATAGTTGCTGTGCAT
 TGGCAAGCAGTCAATAGTATGGCTGCAACAATCCCAAGTCAAAGTCCCATCCTTTGCTTATTAGAGTCA
 CTGCATCCCTGGTGTTCGACCCGTGGCTTAAGAAAAAGGTAATCAAAGATTTTATAAAGCATTGTCA
 ATGATAACATGTTCTATCTAAATACTGTTTTTCAGTAACCTTACTCTCCAGAAGACACTAAAAGATCA
 GGCATAAGATTTTTCTTGAGTTAAAACACTAGAAAATGATTTTCAGTTTGGCTTAGTTTTGTTTTAATTCC
 AAAACATGAGAGAAAATGTATTACTAGAAGTAATTGTGATTATATAGCAAGCTTATTCATTTCTACAT
 AAGAATCTAGACACAAAATGCATAATCACAGAAGTAGCAAAATAGATGGTTTAAACTATGTGCCTAATGAA
 TCTGTTTTCCACCAAAGAGTCAGAAATTAGAGTTCTTATGAGTTTGTGAAAGTAAAATGTCAGAAGAGAG
 TGAGTTACCCATTTATTGAGATTAATGCTCACCCCTCAAACCAAGAAAATCATACAGCATAATCAAAT
 CTCAATTGCCAATTTTATGGCTATTTGGTCCCCCTACCATATATGACTGTGATTTTAAATGGATCTGTTA
 AGTGCCTTCAAGAAGGTAATGACAGCATTGGTTCCTCTTGGGTAGATTGGTACCTGCAATAAATACTGA
 GATCATTGAAGCAATCATGCATGCAATTAGCCTCTTCTACTCCTTATTCTGCCCCCTCTCTATGAC
 ATTAATAATGTTTGGGAATATATAAGGCCTAGTCACTGTTTAAAGGTGTGTTCAAGGCATGGTCTGGTCTC
 TGATTCTTTAAAGAAATGTGGAATACTACTCTTCTCATGGTGTCTTTGAGGCTATCATATGAAACGAAA
 TACTCTGAGCAGTCTCAGTGTAGTTTCAGTCACACTGACCTGCATCTCATCACTGCACGATTTATGTTTTC
 AGACGCCACGCCATCAGGAAAACGAGGGCTTGAATGCATGATTTATCAGCTTCTCTCTGCTCTACAT
 TAAAGTGCTAATGATTTATCAGTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Ascl-NotI

ACCN:

NM_178681

Insert Size:

2388 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: [BC070461](#), [AAH70461](#)

RefSeq Size: 4113 bp

RefSeq ORF: 2388 bp

Locus ID: 217480

UniProt ID: [Q6NS52](#)

Cytogenetics: 12 A3

Gene Summary: Exhibits high phosphorylation activity for long-chain diacylglycerols.[UniProtKB/Swiss-Prot Function]