

## Product datasheet for **MC200513**

### **Dgka (NM\_016811) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dgka (NM_016811) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dgka
Synonyms:	80kDa; AW146112; Dagk1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC006713 sequence for NM\_016811  
 GTCCCCTCCTGTCCAGCTCGGGCTCCGGCGCCCTGCTCTGACCGTGGCTCTCTGGGTCAAGGTAGAG  
 CCCCCGCGAGCCCGTGCCACTCGCACACTCTCGACCCGGCCAAAAGGGCAGCGGAAGGGGCCGCCCA  
 CCGACTGGGTGAGGGCTGCGGCTCCAGAGAAGGAAGCGTTGACAGCTGGAAGCTGCTGTGGAAGGGTT  
 TGCGCTGGGACTCCGGGACTGCCGTAGCGCTGCGCAAGACGCAAGACCGGGGCTAACCTCTGAAAAACA  
 AGAAGCTGTACTACCAGGCTGTCTGTGATCAACTTCAGGAAGAGAAGAAGGATGGCCAAAGAGAAGGG  
 CCTCATCAGCCCAAGACTTCGCTCAGCTGCAAAAAGTACATAGAATACTCCACAAAAGGGTCAGCGAT  
 GTACTGAAGGTCTTTGACGATGGTGAGATGAACAGATTTTGCCAGGGAGATGCCATTGGGTACCTAGGAT  
 TTGAACAATTCATGAAAATGTATCTGAAAATGGAGGAGGTTCCCATCACCTATGCTGGGCTCTGTTTTG  
 GTCCTTCCATACTAGTCAAGTTGCGGCTGAGAAGACCAAGTCAAAAGCCAATGTGATCTGTCTCAGTGAT  
 GTGTAAGTCTACTTACCCTCCTAGAAGGTGGCCGGCCAGAAGACAAGCTAGAGTTCACCTCAAGCTAT  
 ATGACATGGACAGAAATGGGATCCTGGATAGCACGGAAGTGAAAAAATCATCCTCAGATGATGCGAGT  
 GGCCGAATATCTAGACTGGGATGTGTCTGAGCTGAGACCGATCCTCAGGAGATGATGAGAGAGATGGAT  
 CAGGACGGCAGTGGCTCTGTGTCTTAGACGAGTGGGTCGCTGGGGCTACCACAGTGCCACTGCTTG  
 TGCTCCTGGGGATGGACGTGACTATGAAAGATGATGGCAACCATATATGGAGACCAAGAGATTCACCAG  
 ACTGGTCTACTGCAACCTGTGCGAACAGAGCATTAGCCTTGGCAACAGGGCCTGAGCTGTAACTCTGT  
 AAGTACATTGTTGATGACCACTGTGCCATGAAGGCCAGCCTTGTGAAGTCAAGCCTATGCCAAGTCTC  
 GGAAAAGACATTGGTGTCCAGTCAACTTATGGGTTGAGGAGGCTGTCATTCCGGGCGTTGTGACCGCTG  
 CCAGAAAAGATCCGGACCTACCACAGCCTAACAGGACTGCACTGTGTGGTGGCCACTGGAGATCCAT  
 GATGACTGTCTGCAGGCTGTAGGTCCTGAGTGTGACTGTGGGTTGCTCCGTGATCATATCCTGCCTCCGT  
 GTTCCATCTACCCAGCGTCTGGTATCTGGACAAGAGTGCAACACAAGACCACAGATGATACAAGCCT  
 GTGCACCCCTGAGGCTTTTCGGATTGAACCCGTTTCTAACACCCACCCCTTCTAGTCTTCAATCTT  
 AAGAGCGGAGGCAAGCAGGGGCAGAGTGTGCTTTGGAAATTTCACTACATTCTGAACCCGCGCAGGTGT  
 TCGACCTGAAGGATGGTCCGGAGCCAGGCTCAGATTCTTAAAGATGTTCTCAGTTCGGGATATTGGT  
 GTGTGGTGGAGATGGCACAGTAGGCTGGGTTCTAGAGACCATTGACAAAGCCAACCTTGGCACTGTGCCT  
 CCCGTTGCTGTGCTGCCCTGGGCACTGAAAATGATCTGGCTCGGTGCCTAAGATGGGGAAGAGGTTATG  
 AAGGTGAGAAATTTGAGAAAGATTCTCAAGGATATAGAGCTAAGTAAGGTGGTATATCTCGACCGATGGT  
 CCTGGAAGTATTCCCAACAAAATGGAGAAAAGAGTATCCAGTTCCTCTCAAATCATCAATAACTAC  
 TTCTCCATTGGCGTGGATGCTTCTATCGCTCACCGATTCCATCTCATGAGAGAGAAATATCTGAGAAGT  
 TCAATAGCAGAATGAAGAACAAGCTTTGGTACTTTGAGTTTGCCACATCTGAGTCCATCTTCTCAACATG  
 CAAAAAGCTGGAAGAGTCTGTAACCGTTGAGATATGCGGGAAGCTGCTGGATCTGAGCGACCTATCCCTA  
 GAAGGCATTGCGGTATTGAACATCCCGAGCACGCACGGTGGCTCCAACCTCTGGGGTACACCAAGAGAC  
 CTCATGGGGATACATGTGAGATCAACCAGGCATTGGGCAGTGGGCAAAAATAATCACAGACCCCGATAT  
 CCTGAAGACCTGTGTGCCAGACATGAGTGACAAGCGGCTGGAAGTGGTAGGAATAGAGGGTGCAATTGAG  
 ATGGGCCAGATCTATACCAGGCTCAAGAGTGTGGACACCGGCTGGCCAAGTGTCCGAGATCACATTCC  
 AGACCACAAAACCCCTCCCATGCAAATGACGGGGAGCCTGGATGCAGGCACCTGTACAATCAAGAT  
 CACCCATAAGAACCAGATGCCTATGCTTATGGGTTCCACCTTCAACTCTACAATTTCTTTGGCTTTTGG  
 AGCTGAAGAAGCTCTCTGCCTTGAGCCTACCTCCAGTTCTGAAGATTTCTACTGTCTAGATGCTGCC  
 ACACCTTCTGCCAGCCAGCCAGAGGGATGTTCCATCACCTTACAGTATTTATTATCCTCTGCCACCT  
 CACTGCTCCCATACAGACATCCTTACACAACCAGCAACGCAACAAGGAACACTGAAAAAATGCCTCATT  
 TAATAAAGTGACTTTCTCCATTACCCTTACCCTCTACAGACAGATTTAAAGCAGACAGAACAAATAAA  
 CGAACAGCAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_016811  
**Insert Size:** 2193 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC006713</a> , <a href="#">AAH06713</a>
<b>RefSeq Size:</b>	2842 bp
<b>RefSeq ORF:</b>	2193 bp
<b>Locus ID:</b>	13139
<b>UniProt ID:</b>	<a href="#">O88673</a>
<b>Cytogenetics:</b>	10 77.14 cM
<b>Gene Summary:</b>	Upon cell stimulation converts the second messenger diacylglycerol into phosphatidate, initiating the resynthesis of phosphatidylinositols and attenuating protein kinase C activity. [UniProtKB/Swiss-Prot Function]