

## Product datasheet for **RN211195**

### **Dgka (NM\_080787) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dgka (NM_080787) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dgka
Synonyms:	Dagk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211195 representing NM\_080787  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCAAAGACAAGGGCCTCATCAGCCCAGAAGACTTTGCCAGCTGCAAAAGTACATAGACTACTCCA  
 CAAAAGTGTGAGCGATGTGCTGAAGGCTTTGAGATGAACAAATATTGCCAAGGAGATGAGATTGGGTA  
 CCTGGGATTTGAACAGTTCCTGAAAATGTATCTGGAAGTGGAGGAGGTTCCCATCACCTATGCTGGACT  
 CTGTTTTGGTCTTCCATAGCAGTCAAGACTTGGATGAGGAGACTGAGTCAAAGCCAATGTGATCTGTC  
 TCAGTGACGTCTACTGCTACTTCACCCTCCTGGAAGGCGCAGTCCGGAAGACAAGCTAGAGTTCACCTT  
 CAAGCTGTACGACATGGACAGAAATGGGATCCTAGACAGCACAGAAGTAGAAAAATCATCTGCAAAATG  
 ATGAGAGTGGCTGAATATCTGGACTGGGATGTGTCTGAGCTGAGACCGATCCTTCAGGAGATGATGAAAG  
 AGATGGACCGGGATGGCAGTGGCTGTGTCTCCCTAGCTGAGTGGTCCGGCTGGGGCTACCACTGTGCC  
 CCTGCTTGTCTTCTGGGGATAGACATGACTATGAAAGATGATGGACACCATATATGGAGACCCAAGAGA  
 TTCTCCAGACCGGTCTACTGCAACCTGTGCGAGTTGAGCATTGGCCTCGGCAAACAAGGCCTGAGCTGTA  
 ACCTCTGTAAGTACATTGTTTCATGACCACTGTGCCATGAAGGCCAGCCTTGTGAAGTCAGCACCTATGC  
 CAAGTCTCGAAAAGACATTGGTGTCCAGCCACACGTATGGGTTCCGAGGAGGCTGTATTCTGGACGCTGC  
 GACCGCTGTGAGAAAAGATCCGGACCTACCACAGCCTAACGGGACTGCACTGCGTGTGGTGCCACCTGG  
 AGATCCACGATGACTGTCTGCAGGCTGTTGGTCCCAGTGTGACTGTGGACTGCTCCGTGATCATATCCT  
 GCCTCCGTGTTCTATCTACCCAGGGTCTGGTATCTGGACAGGAGTGCAAAAGAACACAGATGTT  
 ACGAGCCTGTGCACCCCTGAGGCTTTTCGGATTGAACCTGTTTCTAACACCCACCCCTTCTGGTCTTCA  
 TCAATCCTAAGAGCGGAGGCAAGCAGGGCAGAGCGTGTCTTGGAAAGTCCAGTACATTTGAACCTCG  
 GCAGGTGTTTAACTGAAGGATGGTCCGGAGCCAGGGCTCAGGTTTTTCAAAGACGTTCCCTCAGTCCGG  
 GTGTTGGTGTGTTGGAGACGGCACCGTAGGCTGGATTCTAGAGACCATTGACAAAGCCAACTTTCCCA  
 TTGTGCCTCCAGTCGCTGTGTTGCCCTGGGCACTGGAATGACCTGGCTCGGTGCCTAAGTGGGGAAG  
 AGGTTATGAAGGTGAGAACTTGAGAAAGATTCTCAAGGATATAGAGATAAGTAAGGTGGTATATCTCGAT  
 CGATGGCTCCTGGAAGTGATACCCCAACAAAACGGAGAAAAGAGTGATCCAGTTCCTCTCAAATCATCA  
 ATAACTACTTCTCCATTGGTGTGGATGCTTCCATTGCTCACCGGTTCCATCTCATGAGAGAGAAATACCC  
 TGAGAAGTCAATAGCAGAATGAAGAACAAGCTTTGGTACTTGGAGTTGCCACATCGGAGTCCATCTTC  
 TCAACGTGCAAAAAGCTGGAAGAGTCAGTGACCGTCGAGATATGTGGAAAGCTGTGGATCTGAGTGACC  
 TGTCCCTCGAAGGCATTGCGGTATTGAATATCCGAGCATGCATGGTGGCTCCAATCTCTGGGGTGACAC  
 CAAGAGACCTCACGGGGATACGTGTGGGATCAACCAGGCACTGGGCAGTGTGGCCAAAATATCACAGAC  
 CCCGATATTCTCAAAACCTGTGTGCCAGACATGAGTGACAAGCGGCTGGAAGTCGTAGGAAATAGAGGGTG  
 TGATTGAGATGGGTGAGTCTATACCAGGCTCAAGAGTGTGGACACCGGCTGGCCAAGTGTCCGAGAT  
 CACGTTCCAGACCACAAAACCTCCCTATGCAAGTTGATGGAGAACCCTGGATGCAAGCACCCCTGTACA  
 ATCAAGATCACCCATAAGAACCAGATGCCTATGCTAATGGGTCCGGCTCCAGTTCCTCCAATTTCTTGG  
 GCTTTTGGAGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_080787  
**Insert Size:** 2184 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).

<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>	<u><a href="#">NM_080787.1</a></u> , <u><a href="#">NP_542965.1</a></u>
<b>RefSeq Size:</b>	3043 bp
<b>RefSeq ORF:</b>	2184 bp
<b>Locus ID:</b>	140866
<b>UniProt ID:</b>	<u><a href="#">P51556</a></u>
<b>Cytogenetics:</b>	7q11
<b>Gene Summary:</b>	may mediate myelin formation and metabolism; expressed specifically in oligodendrocytes [RGD, Feb 2006]