

## Product datasheet for **RR209000**

### DIk2 (NM\_001108202) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DIk2 (NM\_001108202) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** DIk2  
**Synonyms:** DLK-2; Egfl9  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209000 representing NM\_001108202  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCAGCGGCTGCCGCTGCCTAAATCTCGTGTGCCTGCTGTGCATCCTGGGGCAACCAGCCAGCCTG  
 CCAGAGCGGATGACTGCAGCTCCACTGTGACCTGGCCACGGCTGCTGCGCTCCTGACGGCTCTTGAC  
 GTGTGACCCAGGCTGGGAGGGGCTGCACGTGAGCGCTGTGTGAGGATGCCCGGGTGCCAGCACGGTACC  
 TGCCACCAGCCCTGGCAGTGCATCTGCCACAGTGGCTGGCAGGAAAGTTCTGTGACAAAGATGAGCACA  
 TCTGTACTTCACAATCACCTGCCAGAATGGAGGCCAGTGTGTGTATGACGGGGTGGTGTGAGTACCACTG  
 TGTGTGCCTGCCAGGCTTCCGTGGACGTGGCTGTGAGCGCAAGGCTGGACCTTGTGAGCAGGCAGGCTTC  
 CCGTGCCAGAACGGAGGGCAGTGCCAGGACAACCAGGGTTTTGCCCTCAACTTACCTGCCGCTGCTTGG  
 CGGGATTCATGGGTGCCACTGTGAGGTCAATGTGGATGACTGTCTGATGCGGCTTGGCCTAACGGTGC  
 CACATGTATTGACGGCATAAACCGCTTTTCCCTGCCTCTGTCTGAGGGCTTCGCTGGACGCTTCTGCACC  
 ATCAACCTAGATGACTGTGCTAGCCGCCGTGCCAGAGAGGGGCCGCTGCAGGGACCGTGTCCATGACT  
 TTGACTGCCTGTGCCAGTGGCTATGGTGCAAGACTTGTGAGCTTGTCTTACCTGCTCCGGACCTGC  
 CACAATAGGCACCCGCAAGCGCCCGCCTCAGCTGTGGTGGTGCCTGCTACGGGGTCGGCCCTCACAGT  
 GCAGGGGCAGGCTGCTGAGGATCTCAGTGAAGGAGGTGGTGGGAGGCAGGAGGCTGGGCTTGGTGTGAGT  
 CTAGCCTGGTGCCTCTGGTGGTGTGGTCCCTCACTGCTGCTGCTGGTCCCTGGCCACTGTGTTGCTGAC  
 CCTGAGGGCATGGCGCCGAGGTATATGCCCACTGGACCTGTTGTGACCCAGCCCCACACTACGCACCA  
 GCTCGGCAGGATCAGGAGTGTGAGTTAGCATGCTGCCAGCAGGGTCCCTCTGTACCAGACCTGCCCC  
 CTGAGCCTGGGAAGACCACAGCGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR209000 representing NM\_001108202  
 Red=Cloning site Green=Tags(s)

MPSGCRCLNLVCLLCILGATSQPARADDCSSHCDLAHGCCAPDGSCRCDPGWEGLHCERCVRMPGCQHGT  
 CHQPWQCIHSGWAGKFCDKDEICTSQSPCQNGGQCVDGGGEYHCVCLPGFRGRGCERKAGPCEQAGF  
 PCQNGGQCQDNQGFALNFTCRCLAGFMGAHCEVNVDDCLMRPCANGATCIDGINRFSCLCPGEGFAGRFCT  
 INLDDCASRPCQRGARCRDRVHDFDCLCPSTGYGGKTCCLVLPAPDPATIGTPQAPASAVVVPATGSAPHS  
 AGAGLLRISVKEVRRQEAAGLGESSLVALVVFGLTAALVLATVLLTLRAWRRGICPTGPCCDPAPHYAP  
 ARQDQECQVSMPLPAGFPLSPDLPEPEPKTTAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

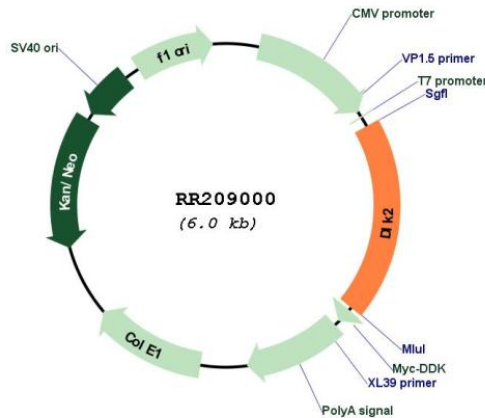
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001108202

<b>ORF Size:</b>	1146 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_001108202.1</a> , <a href="#">NP_001101672.1</a>
<b>RefSeq Size:</b>	1441 bp
<b>RefSeq ORF:</b>	1149 bp
<b>Locus ID:</b>	316232
<b>UniProt ID:</b>	<a href="#">D3ZUK3</a>
<b>Cytogenetics:</b>	9q12
<b>MW:</b>	40.2 kDa
<b>Gene Summary:</b>	Regulates adipogenesis.[UniProtKB/Swiss-Prot Function]