

## Product datasheet for **RN209622**

### **DIk1 (NM\_053744) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DIk1 (NM\_053744) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** DIk1  
**Synonyms:** Pref-1; Zog  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN209622 representing NM\_053744  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATCGCGACCCGAGCCCTCTGCGCGTCTCTTGCTCCTGCTGGCTTCGGCCACAGCACCTATGGGG  
CTGAGTGCACCCGGCCCTGTGACCCCTCAGCATGGATTCTGTGAGGCTGACAATGTCTGCAGGTGTGAGCC  
TGGCTGGGAGGGCCCCCTGTGTGAGAAGTGCCTAACCTCCCCTGGCTGTGTTAATGGACTCTGTGAAGAA  
CCATGGCAGTGTGTCTGCAAGGAAGGCTGGGACGGGAAATTCGCGAAATAGATATTCGGGCTTGACCT  
CTACCCCTCGCGCAACAATGGGACTTGCCTGGACCTCGAGAAAGGCCAGTACGAATGCTCCTGCACCCC  
TGGATTCTCTGGAAAGGACTGTCAGCACAAAGGCTGGGCCCTGCGTGATCAATGGTTCTCCCTGCCAGCAC  
GGAGGCGCCTGCGTGGATGATGAGGGCCGGCCTCGCATGCTTCTGCTGTGCCCCCTGGCTTCTCGG  
GCAACTTCTGTGAGATCGTGACCAACAGCTGTACCCCTAACCCATGCGAGAACGATGGCGTCTGCACCGA  
CATCGGGGGGACTTCCGTTGCCGCTGCCAGCTGGATTTCGTCGACAAGACCTGCAGCCGTCCGGTGAGC  
AACTGCGCCAGTGGCCCGTGCCTGAACGGGGGCACCTGCCTCCAGCACACCCAGGTGAGCTTCGAGTGTCT  
TGTGCAAGCCCCGTTTCATGGGTCCCACATGCGCGAAGAAGCGCGGGACCAGCCCCGTGCAAGTACACCA  
CCTACCCAGCGGCTACGGGCTCACCTACCGCCTGACCCCGGGGTGCACGAGCTACCTGTCCAGCAGCCC  
GAGCACCATCCTGAAGGTGCTCATGAAAGAGCTCAACAAGAGTGCCCTCTCCTCACCAGGGACAGG  
CCATCTGCTTACCATCCTGGGCGTCTCACCAGCCTGGTTGTGCTGGGCACCGTGGCCATCGTCTTTCT  
CAACAAGTGCAGGCCTGGGTGTCCAACCTGCGCTACAACCACATGCTTCGCAAGAAGAAGAACCTGCTG  
TTGCAGTACAACAGCGCGAGGAGCTGGCGGTCAATATCATCTTCCCGGAGAAGATCGACATGACCACCT  
TCAACAAGGAGGCTGGTATGAGGATATCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_053744
<b>Insert Size:</b>	1152 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>	<u><a href="#">NM_053744.1</a></u> , <u><a href="#">NP_446196.1</a></u>
<b>RefSeq Size:</b>	1538 bp
<b>RefSeq ORF:</b>	1152 bp
<b>Locus ID:</b>	114587
<b>UniProt ID:</b>	<u><a href="#">O70534</a></u>
<b>Cytogenetics:</b>	6q32
<b>Gene Summary:</b>	involved in maintaining the undifferentiated status of the preadipocyte [RGD, Feb 2006]