

## Product datasheet for **MC201821**

### Pkig (NM\_011106) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pkig (NM\_011106) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pkig  
**Synonyms:** PKIgamma  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC026550 sequence for NM\_011106  
 CCCACGCGTCCGCGGACGCGTGGGCGGACGCGTGGGGGGCGCCAGGCGGGCCCGGGAGGCGCTCGCGCC  
 GGCGGCCGGGGCTCTACGAGGCGACAAGGCGGCAGACTTCTGCACTGGCTAATCAAGAGTGAAAAACCT  
 GAAGAGATGCAGGCAGGAAAACGGAATTAACCTAGGCCTGAGGAGCGATGAGACAGGCATGATGGAAGTC  
 GAGTCCTCCTACTCGACTTCATCTCCTGCGACCGGACAGGCCGTCGGAATGCAGTCCCTGACATCCAGG  
 GTGACTCGGAGGCCGTGAGTGTGCGGAAGCTCGCTGGAGACATGGGCGAGCTCGCACTTGAGGGAGCAGA  
 AGGACAGGCAGAGGGAAGTACCCCGGACAAGGAAGCCAGCAGCCAGCCTGAGAGCAGTGTGCGAACACC  
 TCATCCTGAGTCTGCCTGTGGTCGCAAGGCTGGAAGAGACCTGCTGTACCTCTCGGACTGGAGCCCTGGC  
 CAGCCAGGCGGACTGAGAGCCTCATGGAGTCTCTGTGGCCCCACTCCAGCCAAGTCTCCACCCACAG  
 CACAGGCTCCACCCTTCCCCACCTCCCCACGGTCCCAGGTTCACTCTGAAGACACCAGCACCATGAGAT  
 GTTATTTATTTCAGCTAGGCGGGGCTCGAGCCAGGCCCTGCCCTAGGTGAGCAGCCGCCACCTGGACAGG  
 GACTGTCTGTCAACACTCACCTCCAGCCAGCCTGTCTGTGAGGAAGATCTTCCCTAGCCCTTTTTTAAA  
 GCCTCTTTTACATTTTTTAAAAACATACTTTTTTCAGAGAGAGAGGGGAGCTGACAATCACTTTTCTTCT  
 GTTTTGGTTTTTGGTTTTTGGTTTTTGGTTTTTAAAGCCGTTTAAAGCTCAGTTCTGATGATCTATGCAGCT  
 CTAAGTTTCTCATGGAGCCTCACAGATCCAGTTTTGGGAAAGGATTTGGACTCAAACTAACTGACCAA  
 TTCTTTGCCCTTTGTACCAAGAGACTGATACTTAGGCCAGGAAATAATGCTGGTGGTTTTGTAAAAAAA  
 AA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_011106  
**Insert Size:** 231 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).



[View online »](#)

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">BC026550</a> , <a href="#">AAH26550</a>
<b>RefSeq Size:</b>	1087 bp
<b>RefSeq ORF:</b>	231 bp
<b>Locus ID:</b>	18769
<b>UniProt ID:</b>	<a href="#">O70139</a>
<b>Cytogenetics:</b>	2 84.4 cM
<b>Gene Summary:</b>	<p>Extremely potent competitive inhibitor of cAMP-dependent protein kinase activity, this protein interacts with the catalytic subunit of the enzyme after the cAMP-induced dissociation of its regulatory chains.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents use of an alternate promoter and 5' UTR, compared to variant 4. Variants 1, 2, 3, 4, and 5 encode the same isoform (1).</p>