

## Product datasheet for **RR200492**

### **Pkib (NM\_012627) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Pkib (NM\_012627) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Pkib

Synonyms: PKINH; Prkacn2; RATPKINH

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide Sequence: >RR200492 representing NM\_012627  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGGACAGATTCATCGGAGATGACTGATGTGGAATCTGTAATCAGCAGCTTCGCGTCTTCAGCAAGGG  
CGGGCCGCCGAATGCCTTACCCGACATCCAGAGTTCACTGGCTACAGGTGGATCCCTGATCTTGCACT  
GAAGCTGGAGGCATTGGCTGTGAAGGAAGATGCAAAAATGAAGAATGAAGAGAAAGACCAAGCCAACCG  
AAAAAGCCCTAGACGAAGACAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200492 representing NM\_012627  
Red=Cloning site Green=Tags(s)

MRTDSSEMTDVESVISSFASSARAGRRNALPDIQSSLATGGSPDLALKLEALAVKEDAKMKNEEKDQGQP  
KKPLDEDK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

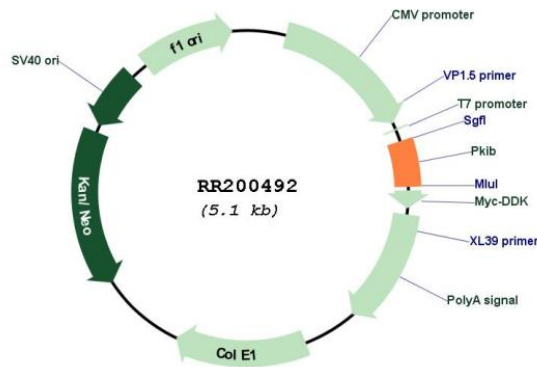


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**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_012627

**ORF Size:** 234 bp

**OTI Disclaimer:** 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. [More info](#)

<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>	<u><a href="#">NM_012627.3</a></u> , <u><a href="#">NP_036759.2</a></u>
<b>RefSeq Size:</b>	1415 bp
<b>RefSeq ORF:</b>	237 bp
<b>Locus ID:</b>	24678
<b>Cytogenetics:</b>	20q12
<b>MW:</b>	8.4 kDa
<b>Gene Summary:</b>	displays strong inhibition of the activity of cAMP-dependent protein kinase [RGD, Feb 2006]