

## Product datasheet for **RN211616**

### **Pak1 (NM\_017198) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pak1 (NM_017198) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pak1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN211616 representing NM\_017198  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCAAATAACGGCTTAGACGTCCAGGACAAACCCAGCCCTCCGATGAGAAACACCAGCACTATGA  
TTGGAGCTGGCAGCAAAGACCCTGGAACCTAAACCACGGTTCCAAACCTCTGCCTCAAACCCAGAGGA  
GAAGAAAAAGAAGGACCGGTTCTATCGATCCATCTTAGCTGGAGATAAAAACAAATAAAAAGAAGGAGAAG  
GAGCGGCCAGAGATTTCTCTTCCTCAGATTTTGAGCATAACAATTCATGTTGGTTTTGATGCTGTACAG  
GGGAGTTTACGGGGATGCCAGAACAGTGGGCCCTTGCCTCAAACATCAAATATCACCAAGTCAGAGCA  
GAAGAAAAACCCACAGGCTGTTCTGGATGTGTTGGAATTTATAACTCCAAGAAGACCTCCAATAGTCAG  
AAGTACATGAGTTTTACAGATAAGTCAGCTGAAGATTATAATTCTTCTAATACTTTGAATGTGAAGACTG  
TGCTGAGACCCAGCAGTGCACCAGTGTGAGAAGATGAAGATGATGATGACGATGCTACCCACCTCC  
AGTGATTGCTCCACGCCAGAACACAAAAATCTGTATATACACGGTCTGTGATTGAACCACTTCTGT  
ACTCCAACCTCGGGATGTGGCTACATCTCTATTTCTCTACTGAGAATAACACCCTCCGCCAGATGCTT  
TGACCCGGAATACTGAAAAGCAGAAGAAGAAGCCTAAAAATGTCTGATGAGGAGATCTTAGAGAAATTACG  
GAGCATAGTGAGTGTGGCGATCCTAAGAAGAAGTACACACGCTTCGAGAAGATTGGACAAGGTGCTTCA  
GGCACAGTGTACTGCAATGGATGTAGCCACAGGGCAGGAGGTGGCCATTAACAGATGAACCTTCAGC  
AGCAGCCGAAGAAAGAACTCATTATTAATGAGATCCTGGTCATGAGGGAAAAACAAAACCAACATTGT  
GAACTATCTGGACAGTTACCTTGTGGGAGATGAGCTATGGGTTGTCATGGAATACTTGGCCGAGGCTCC  
TTAACAGATGTGGTGACAGAAACCTGTATGGATGAAGCCAGATAGCAGCTGTGTGCCGAGAGTGTCTAC  
AAGCTTTGGAGTTCTCTGCATTCAAACCAAGTCATTACAGAGACATCAAGAGTGACAATATTCTGTGGG  
AATGGATGGCTCTGTCAAATTAACCTGACTTTGGATTCTGTGCACAGATAACTCCAGAGCAGAGCAAAGG  
AGCACCATGGTGGAACTCCATATTGGATGGCACCTGAAGTTGTGACACGCAAGGCTATGGACCAAGG  
TTGACATCTGGTCCCTGGGTATTATGGCAATTGAAATGATTGAGGGGGAGCCCCATACCTCAATGAAAA  
CCCTTTGAGAGCCTTGTACCTCATTGCTACCAATGGGACGCCAGAGCTTCAGAACCAGAGAAGTTGTCA  
GCTATTTCCGGGACTTTTTGAACCGCTGTCTTGAGATGGATGTGGAGAAGAGAGTTTCCAGTAAAGAGC  
TACTGCAGCATCAATTCCTGAAGATTGCCAAGCCTCTCTCCAGCCTGACTCCACTGATTGCTGCAGCAA  
AGAGGCAACCAAGAACAATCAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_017198

**Insert Size:** 1635 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).

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_017198.1](#), [NP\\_058894.1](#)

**RefSeq Size:** 2539 bp

**RefSeq ORF:** 1635 bp

**Locus ID:** 29431

**UniProt ID:** [P35465](#)

**Cytogenetics:** 1q32

**Gene Summary:** serine/threonine protein kinase; binds and forms complex specifically with activated (GTP-bound) p21, leading to inhibiting p21 GTPase activity [RGD, Feb 2006]