

## Product datasheet for **RN208402**

### **Pak3 (NM\_019210) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pak3 (NM_019210) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pak3
Synonyms:	beta-PAK
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN208402 representing NM\_019210  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTGACAGCTTGATAACGAAGAAAACTCCAGCTCCCCACTGAGGATGAACAGTAAACACCGAG  
ATTCTTCAGCACTCAACCACAGCTCCAAACCACTGCCCATGGCCCCGGAAGAGAAGAATAAGAAAGCCAG  
GCTTCGCTCTATCTCCAGGAGGAGGGGATAAAACCAATAAGAAGAAAGAGAAAGAACGCCAGAGATC  
TCTCTTCCTCAGACTTTGAGCATAAGTTCATGTGGGTTTTGATGCAGTCACCGGGGAATTCAGTGGAA  
TTCCTGAACAATGGGCTCGACTGCTCCAAACCTCCAACATTACAAAACCTGGAACAGAAGAAGAACCCACA  
GGCTGTTCTGGATGTTCTCAAGTTTACGACTCCAAAGAAACAGTCAACAACCAGAAATACATGAGCTTT  
ACATCAGGAGATAAAAGTCCCATGGATATATAGCAGCACATCAGTCGAATACAAAACAGCTTCAGAAC  
CTCCTTTGGCTCCTCTGTATCTGAAGAAGAGGATGAAGAAGAGGAAGAGGAAGAAGATGATAATGAGCC  
CCCGCCTGTCATTGCACCAAGACCAGAGCATACAAAATCAATCTATACTGTTCTGTGGTTGAGTCAATT  
GCTTCACCAGCAGCACCAATAAAGAAGCCACCCACCTTCTGCTGAGAAATGCCAATTCAGTACTTTGT  
ACAGGAATACAGATCGGCAAAGAAAAAATCCAAGATGACAGATGAGGAGATCCTAGAGAAGCTAAGAAG  
CATTGTGAGTGTGGGGACCCAAAGAAGAAATATAACAAGATTTGAAAAATTTGGCCAAGGGGCATCAGGA  
ACTGTTTACACAGCACTAGACATTGCGACAGGACAAGAGGTGGCTATAAAGCAAATGAACCTTCAACAGC  
AGCCCAAAAAGGAATTAATTAATGAAATCTTGTGCATGAGGGAAAAAAGAACCCTAATTTGTCAA  
TTATTTAGATAGTACTTAGTGGGTGATGAACTGTGGGTAGTCAATGAACTACTTGGCTGGTGGCTCTTTG  
ACTGACGTGGTCACAGAAACCTGTATGGATGAAGGACAGATAGCAGCCGCTGTAGAGAGTGCCTCCAAG  
CTTTGGATTTCTGCACTCAAACCAAGTATCCACAGAGATATAAAGAGTGACAATTTCTCCTCGGGAT  
GGATGGTTCTGTTAAACTGACTGATTTTGGATTCTGTGCCAAATCACTCCTGAGCAAAGTAAACGAAGC  
ACTATGGTGGAACTCCCTATTGGATGGCACCTGAGGTGGTAACTCGAAAAGCTTATGGCCCAGAAAGTTG  
ATATCTGGTCTCTGGGAATCATGGCCATTGAAATGGTGGAAAGGTGAACCCCTTACCTTAATGAAAATCC  
ACTCAGGGCCTTATCTGATAGCCACTAATGAAACCCAGAGCTCCAGAATCCCAGAGACTGTGAGCT  
GTATTCGCTGACTTCTTAAATCGCTGTCTTGGATGGATGGATAGACGAGGGTCTGCCAAGGAGCTTT  
TGCAGCATCCATTTTAAATAGCCAAGCCCTGTCCAGCCTCACTCCTGATTCTTGTGCAAAGGA  
AGCCATTAAGAACAGTAGCCGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_019210

**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\\_019210.1](#), [NP\\_062083.1](#)

**RefSeq Size:** 2157 bp

**RefSeq ORF:** 1635 bp

**Locus ID:** 29433

**UniProt ID:** [Q62829](#)

**Cytogenetics:** Xq33

**Gene Summary:** displays GTP-p21 mediated protein kinase activity [RGD, Feb 2006]