

## Product datasheet for **RN215653**

### **Pak2 (NM\_053306) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pak2 (NM_053306) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pak2
Synonyms:	gamma-PAK; PAK-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN215653 representing NM\_053306  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTGATAACGGGGAGCTAGAGGACAAGCCCCAGCACCTCCAGTGGGATGAGCAGCACCATTTTTTA  
 GCACTGGAGGAAAGGATCCTTTATCAGCCAATCACAGTTTGAAGCCTTTGCCTTCTGTTCCAGAGGAAAA  
 AAAACCGAGGAACAAAATCATCTCCATATTCTCAAGCACAGAAAAAGGAAGTAAAAAGAAAAGAAAAAGAA  
 CGGCCAGAGATTTCTCCGCCGTCTGATTTTGTAGTATACCATCCATGTTGGCTTTGATGCTGTTACGGGAG  
 AGTTCACTGGCATGCCAGAGCAGTGGGCACGGCTGTTGCAGACCTCCAACATTACCAAATGGAGCAGAA  
 GAAGAACCCGAGGCTGTGCTGGATGTCTTGAAGTTCTACGACTCCAACACTGTGAAGCAGAAGTACCTG  
 AGCTTCACTCCTCTGAGAAAGATGGCTTTCCTTCTGGAACACCAGCACTGAACACCAAGGGGTGAGAGA  
 CATCAGCTGTGGTGACAGAGGAAGACGATGACGATGAAGATGCTGCTCCTCCCGTATTGCCCTCGGCC  
 AGATCATACAAAATCAATCTACACAAGGTCTGTATCGACCCTATTCTGCTCCAGTTGGTGACTCTAAT  
 GTCGACAGTGGTCCCAAGTCTTCAGACAAACAGAAAAAGAAAGCCAAGATGACCGATGAAGAGATTATGG  
 AGAAATTAAGAACTATTGTGAGCATAGGTGACCCTAAGAAAAAATACACAAGATATGAAAAAATCGGGCA  
 AGGGGCTTCTGGTACAGTTTTTACTGCAACTGATGTGGCCTGGGGCAAGAGGTTGCTATCAAGCAGATT  
 AATTTACAGAAACAACCAAGAAGGAAATGATCATTAAATGAAATCTGGTATGAAGGAGTTAAAGAATC  
 CCAACATAGTTAACTTCTTGGACAGTTACCTGGTAGGAGACGAGTTGTTTGTGGTAAATGGAGTACCTTGC  
 TGGTGGTCCCTCACTGATGTCGTGACAGAAACCTGCATGGATGAAGCGCAGATCGCAGCTGTGTGCAGA  
 GAGTGTTTACAGCGCTTGGAGTTTTTACATGCTAATCAAGTATCCACAGAGACATCAAAGTGACAATG  
 TGCTTTTGGGAATGGAAGGCTCAGTTAACTCACTGATTTTGGCTTCTGTGCCAGATCACCCCTGAACA  
 GAGCAAAACGACGTACAATGGTTGGAACGCCATACTGGATGGCACCGGAGGTAGTCACGCGGGAAGCCTAT  
 GGCCCAAAGTTGACATATGGTCTCTGGGCATCATGGCTATCGAAATGGTGAAGGAGAGCCTCCATACC  
 TCAATGAAAATCCTTTACGGGCATTATACCTGATAGCAACGAATGGAACACCTGAGCTCCAGAAATCCAGA  
 AAAACTTTCCCCATATTTGGGATTTCTTAAATCGGTGTTTGGAAATGGATGTGGAGAAGAGGGTTTCA  
 GCCAAAGAATATTACAGCATCCTTCTGAAACTGGCCAAACCATTATCCAGCTTGACGCCTCTGATCC  
 TGGCAGCTAAAGAAGCAATGAAGAGTAACCGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_053306

**Insert Size:** 1575 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\\_053306.3](#), [NP\\_445758.2](#)

**RefSeq Size:** 1815 bp

**RefSeq ORF:** 1575 bp

**Locus ID:** 29432

**UniProt ID:** [Q64303](#)

**Cytogenetics:** 11q22

**Gene Summary:** mitogen activated protein kinase that mediates bFGF-induced neurite outgrowth via activation by ERK kinase [RGD, Feb 2006]