

## Product datasheet for **RN207075**

### **Pkn1 (NM\_017175) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pkn1 (NM_017175) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pkn1
Synonyms:	PAK-1; Prkcl1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN207075 representing NM\_017175  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGGCAGCCGCTGCAGAGTGAACCTCGCAGCTGGTCACTGCTGGAGCAGCTGGTCTGGCTGGG  
 CAGACCTGGCAGCCCTGGGGTGCAGCAGCAGCTGGAGTTAGAGCGAGAGCGGCTGAAGCGGAAATCCG  
 AAAAGAGCTGAAGCTGAAGGAGGGCGCTGAGAACCTGAGCGGGCCACCACTGACCTGGGCCGAGCTTG  
 GCCCTGTGAACTGCTGCTGAGGGGCTCCGCTAGACGGCTTGACTTGCTGCACCAGCAGCTGCAGGAGC  
 TGCATGCACATGTGGTGTGCCGACCCTACAGCGGGAGTGATGCTCCCAATCCCTTGACAGGGGAGC  
 CCCTGTCTGTCTACCAACCTGAGCCGAGTGGCTGGCCTGGAGAAGCAGCTGGCCATTGAGCTCAAG  
 GTCAAACAGGGGGCAGAAAACATGATCCAGACCTACAGCAATGGCAGCACAAGGACCGGAAGCTGCTGT  
 TGACGGCCCAACAGATGCTGCAGGATAGTAAGACCAAGATTGACATCATCCGCATGCAGCTTCGCCGGC  
 GCTACAAGCACTCCAGGCTGGCCAGCTGGAGAGTCAGGCAGCTCCTGATGAGGCCACGGAGATCCAGAC  
 CTGGGAGCCGTAGAGCTACGCATTGAGGAGCTACGACACCAATTTTCGAGTAGAGCATGCAGTGGCAGAAG  
 GCGCCAAGAATGTCTGCGTCTGCTCAGTGTGCAAAGGCCCCAGACCGCAAAGCAGTCAGCGAGGCTCA  
 GGAAATTTGACTGAGTCCAACCAAGAGCTGGGCTTGGTGCAGGAGTCACTGGAGAGCGCTTGGGGAA  
 CTGCTGCTGATCACCCCAAGGGACGCCTGCTTCGGGAGGAGCTCACTGCGGCCTCATCGGCAGCCTTCA  
 GTGCAATACTGCCTGGGCCCTTCCCTGCCACTCACTACAGCACCTTGAGCAAGCTGCACCACTCACAGG  
 GACCTTGAAGTACGAGTGGTGGCTGCAAAAACCTTCCCGAGACCATCCCTTGGAGCCCTCCCCCTCA  
 GTCGGGCATCTGGGACCCCGACAGCCGACTCCTTCTGAGTCGTCAGCTCGGGCCCTTTACAACC  
 GAAGTGAAGCCTTAGTGGACGGAGCAGCCTCAAGGGGGAGGCAGAGAATTCACACTGAGTCAGCACCTG  
 CTCAAGCTGGACAACACTGTGGTGGGGCAACAGCCTGGAAGCCATGCGGCCCAATGCCTGGGACCCAG  
 AGCTTACCCTGGAGCTGGAGAGGGCTCGGGAGCTGGAGTTGGCTGTGTTCTGGCGTGACCAGAGGGGTC  
 TGTGTGCTCTCAAATTTCTGAAGTTGGAAGACTTCTTGGACAATGAGAGGCATGAGGTGCAGCTGGACAT  
 GGAACCCAGGGCTGCCTGGTGGCTGAGGTACCTTCCGTAACCCCATCATCGAGCGGATCCCTAGGCTC  
 CAAAGGCAGAAAAAATTTCTCCAAGCAGCAAGGGCAGACATTTAGCGTGCAGACAGATGAACATCG  
 ATGTGGCCACCTGGGTGCGGCTGCTCCGGAGACTCATCCCGAACGCCGTGGCCACTGGCTCCTTCAGCCC  
 CAATGCATCTCCAGGCTCTGAGATCCGGAGCACTGGAGACATATCCATGGAGAAATGAATCTCGGTGCT  
 GACTCAGACAGCTCGTCCAGAAGAGCCCGCAGGGCTGCCCTCCACCTCATGTAGCCTGAGTTCTCAA  
 CCCACGAATCCACCACCTCTCCAGAGCTGCCTTACAGAGCCCAGGAGACCCAGGCCCTGGCCTGTGCAG  
 TCCCTGAGGAAGTCGCCCTGACGCTTGAAGTTCCCTGGCAGTGTGGTGGGGTCACTTT  
 GGAAAGGTGCTGCTGTGAATTCACCTCCAGTGGGGAGCTTTTGCATTAAGCCTTGAAGAAAGGTG  
 ACATTGTAGCCCGGATGAGGTTGAGAGCTGATGTGTGAGAAGCGGATTTGGCGACCGTGACCAGGGC  
 AGGACATCCCTTCTGGTGAACCTTTTCGGCTGTTCCAGACCCAGAGCATGTGTGCTTTGTGATGGAG  
 TACTCAGCCGGTGGGACTTGTGCTGCATATCCACAGCAGCTGTTCTCAGAGCCTCGGGCTGTCTTCT  
 ATTCGGCTGTGGTGGTGGACTGCAGTTCCTCCATGAACACAAGATTGTCTACAGGGACCTGAAGTT  
 GGACAATTTGCTCCTGGATACTGAGGGCTACGTCAGATCGCAGACTTTGGCCTTGCAGAGGGGGATG  
 GGCTATGGGGACCGGACCAGCATTCTGCGGAACTCCGGAGTTCTGGCGCCGGAAGTGTCCACAGACA  
 CATCTACACTCGAGCCGTGGACTGGTGGGACTGGGTGATTGCTCTATGAGATGCTGGTTGGAGAGTC  
 TCCGTTCCCTGGGGACGACGAGGAGGAAGTATTTGACAGCATCGTCAATGATGAGGTTGTTATCCCGC  
 TTCCTGTCTGCGGAGGCCATCGGCATCATGAGAAGGCTACTGCGGAGGAACCCAGAGCGGAGGTTGGGAT  
 CCACTGAGCGTGTGCAGAAGATGTGAAAAACAGCCTTTCTTCAGGACTCTGGACTGGGATGCCCTGCT  
 GGCCCGTCGCTGCCCTCCACCTTCGTGCCTACACTTTCGGGGCGCACAGACGTGACCAACTTCGATGAG  
 GAGTTCACTGGGAGGCCCCCACTGAGCCCTCCCGGGATGCACGGCCCTGACAGCTGCGGAGCAGG  
 CGCCCTCCGGGATTTGACTTTGTGGCAGGAGGCTAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

ACCN:	NM_017175
Insert Size:	2841 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:	<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>
RefSeq:	<a href="#">NM_017175.2</a> , <a href="#">NP_058871.2</a>
RefSeq Size:	3087 bp
RefSeq ORF:	2841 bp
Locus ID:	29355
UniProt ID:	<a href="#">Q63433</a>
Cytogenetics:	19q11
Gene Summary:	displays phosphorylation dependent protein kinase activity [RGD, Feb 2006]