

Product datasheet for **RN214157**

PIk1 (NM_017100) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIk1 (NM_017100) Rat Untagged Clone
Tag:	Tag Free
Symbol:	PIk1
Synonyms:	PIk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214157 representing NM_017100
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATGCAGCGCCAAAGCTGGAAGCTGGCTCGAGCACCAGCCGACCTCGGAAAGGTGGGGTCCGG
 GAGATGCAGTTCCCGGTGCCAGTGGCCGCCCGCTGGCGAAAGAAATCCGGAGGTCCTAGTGGACCC
 ACGCAGCCGCGCAGCAGTATGTACGGGGCCGCTTCTGGGTAAAGGAGGCTTCGCCAAATGCTTCGAAATC
 TCAGACTCAGACACAAAAGAGGTGTTCCAGGCAAGATCGTGCCTAAGTCTTTGCTGCTCAAGCCCCATC
 AGAAGGAGAAAATGTCTATGGAGACCTCCATTCACCGCAGCCTCGAACACCAGCACGTCTGAGGCTTCCA
 TGGCTTTTTGAGGACAGCGACTTTGTGTTCTGTTGTTGGAGCTCTGTCGAGGAGGTCTCTCTGGAG
 CTGCACAAAAGGAGGAAGGCGCTGACCGAGCCGAGGCCGATACTACCTGCGGCAGATAGTCTGGGTT
 GCCAGTACCTGCACCGCAATCAAGTCATTCACAGGGACCTCAAAGTGGGCAACCTCTTTCTGAATGAGGA
 TCTGGAGGTGAAAATAGGGGATTTGGCCTGGCAACAAAAGTGGAAATATGAAGGGGAACGGAAGAAGACC
 CTGTGTGGCACTCCTAACTACATAGCTCCCGAGGTGCTGAGCAAGAAGGGACACAGCTTTGAGGTGGACG
 TGTGGTCCATTGGGTGCATCATGTATACCTTGCTGGTGGGCAAGCCACCTTTTGAGACCTCATGCCTAAA
 AGAGACCTACCTCCGGATCAAGAAAAATGAATACAGTATCCCAAGCACATCAACCCAGTGGCTGCCTCC
 CTCATCCAGAAAATGCTTCAGACAGACCCCGCTGCGCGCCCCACCATTACGAGTTGCTCAATGACGAGT
 TCTTCACTTCCGGATACATCCCCGCCGCTGCTGCTATTACCTGCCTCACCATCCCACCAAGGTTTTCAAT
 AGCTCCCAGCAGCCTAGACCCAGCAACAGGAAGCCTCTCACAGTCCTTAATAAAGGTGTGGAGAACCC
 CTGCCTGACCGTCCCCGAGAGAAAAGAGGAACAGTGGTTCGGGAGACAAATGAGGCCATCGAGTCCACCC
 TTAGTGACTTGCTACAGCAGCTGACCAGTGTCAACGCCTCCAAGCCCTCAGAGCGAGGGCTGGTGGGCA
 AGAGGAGGCCGAGGATCCTGCTTGCATCCCTATCTTCTGGGTGAGCAAAATGGGTAGACTATTCGGACAAG
 TATGGCCTTGGTTATCAGCTATGTGACAACAGTGTGGGAGTGCTCTTTAATGACTCAACACGCCTCATCC
 TCTACAATGACGGGGACAGCCTGCAGTACATAGAGCGTATGGCAGGAGTCTACCTCACTGTGAGCTC
 CCACCCCAACTCCTTGATGAAGAAGTCACTCTCCTCAACTATTTCCGCAATTACATGAGTGAACACCTG
 CTGAAGGCGGGGCAACATCACGCCCCGGAAGGCGACGAGTGGCCCGGCTGCCCTACCTACGAACAT
 GGTTCGCGACACGCGCCATCATCTGCACCTCAGCAATGGCAGTACAGATTAATTTCTCCAGGA
 CCACACAAAATATCCGTGGCCCCCTGATGGCAGCAGTACCTACATCAACGAGAAGAGGGACTCCGG
 ACATACCGCCTGAGCCTTCTGGAGGAATATGGCTGCTGCAAGGAACTGGCTAGCCGCTCCGCTATGCC
 GCACCATGGTAGACAAGCTGCTGAGCTCGCGTTCGCGCTGCAACCGCCTCAAGGCCTCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_017100
Insert Size: 1812 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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">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_017100.1 , NP_058796.1
RefSeq Size:	2198 bp
RefSeq ORF:	1812 bp
Locus ID:	25515
UniProt ID:	Q62673
Cytogenetics:	1q36
Gene Summary:	human homolog catalyzes the phosphorylation of a Golgi reassembly stacking protein (GRASP65); may play a role in Golgi apparatus fragmentation and reorganization during mitosis [RGD, Feb 2006]