

Product datasheet for **RN210538**

Pip4k2a (NM_053926) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pip4k2a (NM_053926) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pip4k2a
Synonyms:	Pip5k2a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210538 representing NM_053926 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCCCTAGCAACCTGGGGTCTCCGTCCTGGCGAGCAAGACCAAGACGAAGAAGAAGCACTTCG
TGGCTCAGAAAGTGAAGCTGTTCCGGGCCAGCGACCCGCTGCTCAGCGTGCTCATGTGGGGGTCAACCA
CTCGATCAATGAACTGAGCCATGTTCAAATCCCTGTGCTGTTGATGCCTGATGACTTCAAAGCCTACTCA
AAGATAAAGGTGGACAACCACCTTTTCAACAAGGAAAACATGCCGAGCCATTTCAAGTTTAAAGGAATACT
GCCCGATGGTCTTCCGGAATCTTCGGGAGAGGTTTGAATCGACGACCAAGATTTCCAGAATTCCTTGAC
CAGAAGTGCGCCCTTCCAATGACTCGCAGGCTCGCAGCGGGGCTCGGTTTACACGTCCTATGACAAA
AGATACGTCATCAAGACCATTACCAGCGAGGACGTGGCAGAGATGCACAACATTCTCAAGAAGTACCACC
AGTATATAGTGAATGCCATGGGGTACCCCTCCTTCTCAGTTCTTGGGAATGTACCGGCTTAATGTGCGA
CGGAGTGGAAATATACGTGATTGTTACGAGGAACGTGTTGAGCCACCGTCTCTGTGTATAGGAAGTAC
GACCTGAAGGGCTCGACGGTGGCTAGAGAAGCTAGTGACAAAAGAAAAGGCCAAAGAGCTTCCAACTTTAA
AGGACAATGACTTCATCAATGAGGGCCAAAAGATTTATATCGATGACAGCAACAAAAGATATTCCTGGA
AAAAGTAAAAAGGATGTCGAGTTCTTGCACAATAAACTCATGGACTACAGCCTCCTGGTGGGGATT
CATGATGTGGAGCGAGCAGAGCAAGAGGAGTTGAGTGTGAGGAGAACGAGGGGAAGAAGAAGAGGAGAGA
GTGACGGTGCACCCCATCGGGACGCCACCTGACAGTCTGAAAACACACTCAACAGCTCACCCCTT
GGCTCCTGGCGAGTTCGACCCAAACATTGATGTTTATGCAATTAATGCCATGAAAACGCACCTAGGAAA
GAAGTGTACTTTCATGGCGATTATTGACATTCTCACTATTACGATGCAAAAAGAAAAGCTGCCACGCTG
CGAAAAGTGTAAAACACGGCGCTGGAGCCGAGATCTCGACCGTGAACCCAGAGCAGTATTCAAAGCGCTT
TTGGACTTTATCGGACACATCTTGAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_053926
Insert Size:	1221 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">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:	<u>NM_053926.2</u> , <u>NP_446378.1</u>
RefSeq Size:	3507 bp
RefSeq ORF:	1221 bp
Locus ID:	116723
UniProt ID:	<u>Q9R0I8</u>
Cytogenetics:	17q12.3
Gene Summary:	mouse homolog is kinase which catalyzes the synthesis of phosphatidylinositol 4, 5-bisphosphate, an essential lipid molecule in various cellular processes [RGD, Feb 2006]