

Product datasheet for **RR203880**

Pip4k2b (NM_053550) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pip4k2b (NM_053550) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pip4k2b
Synonyms:	Pip5k2b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203880 representing NM_053550 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTCCAACGCACCAGCACCAGGCGGTGGCGGTGGCGCCGCTCAGCGCCAGCAAAACCAAGACCA
AGAAGAAGCATTTCTGTGCCAGAAAGTGAAGCTATTCCGGGCCAGCGAGCCGATTCTCAGCGTCTCTGAT
GTGGGGGGTGAACCACACGATCAATGAGCTGAGCAATGTCCCGTCCCTGTCATGCTAATGCCAGATGAC
TTCAAAGCTTACAGCAAGATCAAGGTGGACAATCATCTTCAATAAGGAAAACCTCCCCAGCCGCTTCA
AGTTCAAGGAATACTGCCCATGGTGTCCGAAACCTCAGGGAGAGGTTTGGCATCGATGACCAGGATTA
CCAGAATTCAGTGACACGCGAGTGCAGCCATCAACAGTGACAGCCAGGGCAGGTGCGGCACACGCTTCCTC
ACCACCTATGACCGCGTTTTGTCAAGACTGTGTCAAGTGAGGATGTGGCAGAGATGCACAACATCC
TAAAGAAATACCACAGTTCATAGTGGAGTGTACGGCAATACCCTTTGCCACAGTTCCTGGGCATGTA
CCGCCTGACCGTGGACGGTGTGGAAACCTACATGGTGGTACCAGGAATGTATTCAGTTCATCGGCTTACT
GTACATCGCAAAATGACCTCAAGGTTCCACCGTTGCCAGAGAAGCCAGTGACAAGGAAAAGGCCAAGG
ACTTGCCACGTTCAAAGACAATGACTTCTCAATGAAGGGCAGAAGCTACGTGTGGGAGAAGAGAGTAA
AAAGAATTCTAGAAAACCTGAAGCGGGATGTGGAGTTCCTGGCCAGCTGAAGATCATGGACTACAGC
CTCCTGTTGGGCATCCACGACGTAGACCGGGCAGAGCAGGAGGAGACGGAGGTGGAAGACCGAGCGGAGG
AGGAGGAGTGTGAGAACGATGGGGTGGCGGTGGCCTGCTCTGCTCCTACGGCACGCTCCAGACAGCCC
CGGCAACCTCCTGAGCTTCCCCGGTCTTTGGCCAGGAGATTCGACCCCTCCGTCGACGCTCTATGCC
ATGAAAAGCCATGAGAGTGCCCTAAGAAGGAGGTCTATTTATGGCCATCATTGACATCCTTACACCGT
ATGACGCTAAGAAGAAAGCTGCACATGCCGCAAGACAGTGAAACATGGGGCAGGGGCTGAGATCTCCAC
TGTGAACCGGAGCAGTACTCAAACGCTTCAATGAGTTCATGTCCAACATCCTGACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203880 representing NM_053550
 Red=Cloning site Green=Tags(s)

MSSNCTSTTAVAVAPLSASKTKTKKKHFVCQVKVLFRASEPILSVLMWGVNHTINELSNVPVPMPLPDD
 FKAYSKIKVDNHLFNKENLPSRFKFKEYCPMVFRNLRERFGIDDQDYQNSVTRSAPINSDSQGRCGTRFL
 TTYDRRFVIKTVSSEDVAEMHNILKKYHQFIVECHGNTLLPQFLGMYRLTVDGVEYTMVYTRNVFVSHRLT
 VHRKYDLKGSTVAREASDKEKAKDLPTFKDNDFLNEGQKLRVGEESKKNFLEKLRDVEFLAQLKIMDYS
 LLVGIHDVDRAEQEETEVEDRAEEEECEENDGVGGGLLCSYGTPPDSPGNLLSFPRFFGPGFDPSPDVVYA
 MKSHESAPKKEYVFMAIIDILTPYDAKKAHAHAAKTVKHGAGAEISTVNPEQYSKRFNEFMSNILT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

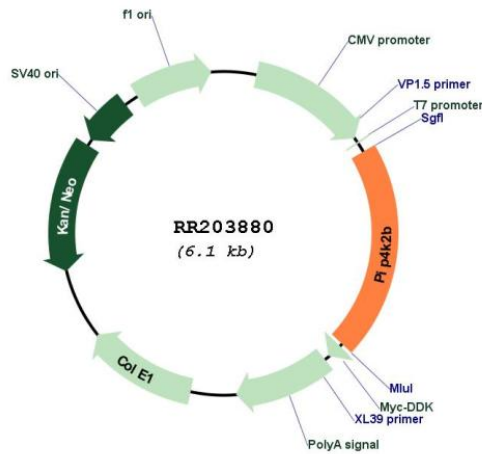
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053550

ORF Size:	1248 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_053550.1 , NP_446002.1
RefSeq Size:	1987 bp
RefSeq ORF:	1251 bp
Locus ID:	89812
UniProt ID:	O88377
Cytogenetics:	10q31
MW:	47.3 kDa
Gene Summary:	has similarity to phosphatidylinositol-5-phosphate 4-kinase IIalpha and IIgamma isoforms [RGD, Feb 2006]