

Product datasheet for **RN209385**

Pi4kb (NM_031083) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pi4kb (NM_031083) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pi4kb
Synonyms:	Pik4cb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN209385 representing NM_031083
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGACATGGTAGTGGAGCCTGCCACCTGAAGCCAATTCTGAGCCTACTCTAGCCATCAGGGA
 ATAACGGGGGCTCCCTACTAAGCGTCATCACGGAGGGGTCGGGGAAGTGTCAAGTATTGACCCCTGAGGT
 GGCCAGAAAGCCTGCCAGGAGTACTGGAGAAAGTCAAGCTTTTGCATGGAGGTGTAGCCATCTTAGC
 AAAGGCAGCCACTGGAGTTGGTTAATGGGGATGGTGTGGACAATGAGATCCGTTGCCTAGATGATCCAC
 CTACCGAGATCAGGGAGGAAGAAGATGAGATGGAGCCTGGTGTGGTCTCTGGCACAGCCAAAGGAACAAG
 AAGAAGACGACAGAACAACCTCAGCCAAACAGTCTTGGCTCCTGAGGCTGTTTGAATCAAACTATTTGAC
 ATCTCTATGGCCATTTCACTTGTATAACTCCAAGGAGCCGGGAGTGAAGCCTACATTGGCAACCGGC
 TCTTCTGCTTTCGCAATGAGGATGTGGACTTCTATTTGCCCCAGTTGCTTAACATGTATATCCATATGGA
 TGAGGATGTGGGTGATGCCATTAACCCCTACATAGTCCACCGTTGTCGCCAGAGCATCAACTTTCCCTC
 CAGTGTGCCCTGTTGCTTGGGGCCTACTCTCAGACATGCACATTTCCACTCAACGACACTCCCGAGGGA
 CCAAGTTACGGAAGCTAATCCTCTCAGATGAGCTGAAGCCAGCTCACCGAAAGAGGGAGCTGCCAATTT
 AAGCCAGCCCTGACACAGGACTGTCTCCCTCTAAAAGGACTCACCGAGCCTCTAAGTCAGATGCCACG
 GCCAGCATAAGTCTCAGCAGCAACCTGAAACGAACAGCCAGCAACCCCTAAAGTGGAGAATGAGGATGAGG
 AGCTCTCCTCCAGCACCAGAGTATTGATAATTCATTAGTTCCTGTCCGGCTGGCCCTGAGCGAGA
 ATTCATCAAGTCTTGATGGCAATCGGCAACGGCTGGCCACGCTCCCCACTAAAGAGCAAAAAACAA
 AGGTGATCTCAGAATTTCCCTGCTCAACCATAAGCTCCCTGCCGAGTCTGGCTGCCACAGCTGGCT
 TTGACCACACGTGGTCCGTGTGCCCCACACAAAGCTGTTGCTCAATTCCAAGGATAAGGCTCCCTA
 CCTGATCTATGTGGAAGTCTTGAATGTGAAAACCTCGACACAATAATGTTCTGCCCGGATTCCGTGAA
 AACCGAATTCGGAGTACGAGGTCTGTGGAGAACCTGCCGGAATGTGGTATCACTACGAGCAGCGGGCTG
 GCAGTTCAGCACTGTGCCAATTATGACAATGACGATGAAGCCTGGTCGGTGGATGACATAGGCGAGCT
 GCAGGTGGAGCTCCAGAAAGTGCACACCAACAGCTGTGACAACATCTCTCAGTTCCTCGGTGGACAGCATC
 ACCAGCCAGGAGCAAGGAGCCTGTGTTTCATTGCGGCAGGGGACATCAGACGGCGCCTTTCAGAACAGC
 TGGCTCACACTCCACAGCCTTCAAACGAGACCCTGAAGACCCTTCTGCAGTCCGCTCAAAGAGCCCTG
 GCAGGAGAAAGTCCGGAGGATCAGAGAAGTTCCTCGTATGGCCATTTCCCAATTGGCGACTCCTTTCA
 GTCATTGTCAAGTGTGGAGATGACCTTCGCCAGGAGCTGTGGCTTTCCAGGTGTTGAAACAACGACGT
 CCATTTGGGAACAGGAGCGAGTGCCTTTTGGATCAAGCCATATAAGATTCTTGTGATTTAGCTGACAG
 TGGCATGATTGAACAGTAGTCAACGCTGTGTCCATCCACCAGGTGAAGAAACAGTCACAGCTCTCCTTG
 CTCGATTACTTCTGCAGGAGCATGGCAGTTACACCCTGAGGCATTCCTCAGTGCCAGCGCAATTTTG
 TGCAAAGTTGTGCTGGCTACTGCTTGGTCTGCTACCTATTACAAGTCAAGGACAGGCACAATGGGAACAT
 CCTTCTGGACGCAGAAGTCCACATCCACATCGACTTTGGCTTCATCCTTTCCAGCTCACCCGAAAC
 CTGGGCTTCGAGACGTCAGCCTTAAAGCTGACCACAGAATTTGTGGATGTAATGGCGGCCTGAACGGTG
 ATATGTTCAACTACTATAAGATGCTCATGCTGCAAGGGCTGATCGCTGCTCGAAACACATGGACAAGGT
 GGTACAGATTGTGGAGATCATGCAGCAAGTTCCTCAGCTTCTTGGCTTCCATGGCTCCAGCACCATTGCG
 AACCTCAAAGAGAGGTTCCACATGAGCATGACTGAGGAGCAGCTGCAGCTGCTGGTGGAGCAGATGGTGG
 ACGGCAGCATGAGGTCCATCACCACCAAACCTCTACGATGGCTTCCAGTACCTACCAATGGCATCATGTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1375_g06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_031083

Insert Size: 2451 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:	NM_031083.1 , NP_112345.1
RefSeq Size:	3205 bp
RefSeq ORF:	2451 bp
Locus ID:	81747
UniProt ID:	O08561
Cytogenetics:	2q34
Gene Summary:	phosphorylates phosphatidylinositol (PtdIns) at the D4 position of the inositol ring; may play a role in neuronal differentiation and maturation [RGD, Feb 2006]