

Product datasheet for **MR202399**

Pip5kl1 (BC094346) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pip5kl1 (BC094346) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pip5kl1
Synonyms:	BC028795
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202399 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACACCAAGCCTTAGGTCCCACGAGATCCCGGCCACTCCAGGAGGCTGGAAACAAGTCCATTT
CCTCAGGGAGCCCGCGGCCTTCTTTGGCACCTCCGAGCCAGGCAGTCTAGAGTTGGCCTGTTTGAGGT
CGGTCCAGGACATGAGCTGCATAGAATGACACGAATGATGCAGGAAGGGCTGTGGCTGCCACCCAGGTC
TCCAAGAACAACCCACCCACGGGACCTACTACCCAGAAGGATTACCTGGAAGTCATGACCCAAGTTCACG
AAGAGGGCTTCGAGCTGGGCACCTTGGCTGGCCCGGCTTTGCACGGCTGAGGAAATCCATTGGCCTGAC
TGAAGAGGACTACCAGGCTACTCTTGGCCCTGGTGATCCCTACCTTCAATTCTTCAGCACCTCCAAAAGC
AAGGCCAGCTTCTTCTGACCCACGACCAGCGCTTCTTTGTGAAGACCCAACGGCGCCACGAAGTGCATG
TGCTGCTTGCCCACCTGCCCGCTATGTGGAGCACCTGCAGCAATACCCACACTCCCTGCTGGCAGGGTT
GCTGGGCGTATACAGTCTCGGGTAGCTCAGGGGAAAAAGGTGAGTGTAGCAGACAGAGGTGGCTCAGCA
GTGGGGCTGCTGGAGGG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202399 protein sequence
 Red=Cloning site Green=Tags(s)

MATPSLRSH EIPAHSQEAGNKSISSSGRRGLLWHLRARQSRVGLFEVGPGH EHRMTRMMQEGLWAATQV
 SKNNPPTGPTTQKDYLEVMTQVHEEGFELGTLAGPAFARLRKSIGLTEEDYQATLGPDPYLQFFSTSKS
 KASFFLTHDQRFVKTRRRHEVHVLLAHLPRYVEHLQQYPHSLARLLGVYSLRVAQGGKYSVADRGGSA
 VQAAGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC094346

ORF Size: 648 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:

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: [BC094346](#), [AAH94346](#)

RefSeq Size: 2207 bp

RefSeq ORF: 650 bp

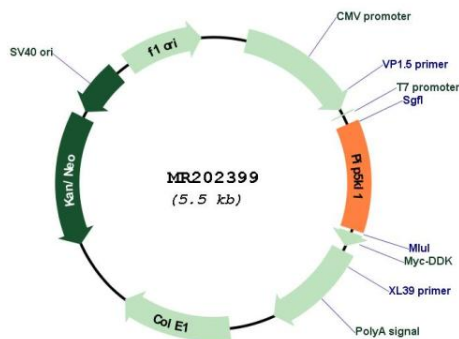
Locus ID: 227733

Cytogenetics: 2 B

MW: 23.9 kDa

Gene Summary: May act as a scaffold to localize and regulate type I PI(4)P 5-kinases to specific compartments within the cell, where they generate PI(4,5)P2 for actin nucleation, signaling and scaffold protein recruitment and conversion to PI(3,4,5)P3.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202399