

Product datasheet for **RR202650**

Pik3ip1 (NM_001017453) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pik3ip1 (NM_001017453) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pik3ip1
Synonyms:	RGD1311203; zgc:66482
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR202650 representing NM_001017453 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTTGGCTTGGGTACACACATTTCTTCTCAGCAACATGCTTCTGGCAGAAGCCTATGGATCTGGAG
GCTGCTTCTGGGACAACGGCCACCTGTACCGGGAGGACCAGCCCTCGCCCGCGCCGGGTCTCCGCTGCCT
CAACTGGTTGGCCGCGCAAGGCAGCGGGAGTCGCTCGCCAGCCAGCCCGGCAACCACAACACTACTGC
CGAACC CGGACCAGGATCCGCGTGGGCCCTGGTGTACATCAGCAGCGAGACTGGCGTCCCTGAAAAGC
GGCCCTGCGAGGACTTGC GTTGCCAGAGACCATTCCGGTGACAAAGAGACACAGGTGTTCCCTCCTGC
TAACGCCCTGCCAGCCAGGAGTGAGCGGCAGAGGTGCAGCCAGTGATCGGGATCAGTCAGCGTGTGAGG
ATGAACTCCAAGGAAAAAAGACCTGGGAACTTTGGGCTACGTGTTGGGCGTTACTATGACGGTAATTA
TCATCGCTATTGGAGTTGGCATCGTCTTGGGCTACACTTACAAGAGGGGGAAGGACTTGAAAGAGCAACA
TGAGCAGAAAGTGTGTGAGAGGGAGATGCAACGAATCACCTGCCCTGTCTGCCTTCACCAACCCACC
TGTGAGATCATGGACGAAAGACCATCATTGTGCACAGCAACAGACTCCTGCTGATGTGCAGGAGGGCA
GCACCTCCTCACTGACCAGGCTGGCACCCCGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202650 representing NM_001017453
Red=Cloning site Green=Tags(s)

MLLAWVHTFLLSNMLLAEAYGSGGCFWDNGHLYREDQPSAPGLRCLNWLAAQGSGESLAQPSPGNHNYC
 RNPDQDPRGPWCYISSETGVPEKRPCEDLRCPETTSGDKETQVFPPANALPARSEAAEVQPVIGISQVRV
 MNSKEKKDLGTLGYVLGVTMTVIIIAIGVIGVLGYTYKRKDLKEQHEQKVCEREMQRITLPLSAFTNP
 CEIMDEKTIIVHSNQTPADVQEGSTLLTDQAGTPGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001017453

ORF Size: 738 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: [NM_001017453.1](#), [NP_001017453.1](#)

RefSeq Size: 2280 bp

RefSeq ORF: 741 bp

Locus ID: 305472

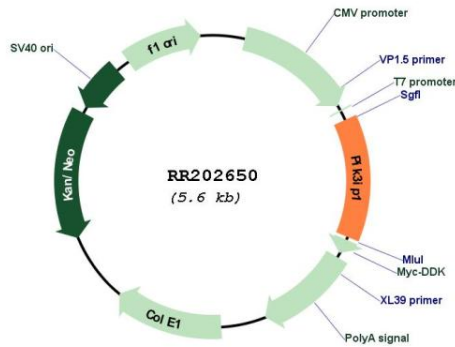
UniProt ID: [Q56A20](#)

Cytogenetics: 14q21

MW: 26.9 kDa

Gene Summary: Negative regulator of hepatic phosphatidylinositol 3-kinase (PI3K) activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR202650