

Product datasheet for **RR206800**

Pik3c2g (NM_053923) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pik3c2g (NM_053923) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pik3c2g
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206800 representing NM_053923
Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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Protein Sequence: >RR206800 representing NM_053923
 Red=Cloning site Green=Tags(s)

MAYNWQTEPNRAEPQEGGHDHQCHHADQHLSSRQVRLGFDQLVEELSNKTPLPEDEKEGTCFVPDTPNL
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 IEDLK YVHDNLRPQD TDLEATSHFTTKIKQSLECFV KLNLIHTLAQMPAFSLARPAPQTPPQECCV LN
 KTRTIQRVTILGF SKTHSNLYLIEVTRSDNRKNLAKKSFEQFYRLHSQIQKQFP LLLPEFPHWHLPFT
 DSHHRI RDL SHYVEQVLHGSYEVANSDCVLSFFLSEHIQQTLEDSPFVDPGDHSPDKSPVQQLMTYED
 TKLTLILVKHLKNIHL PDGSAPSAHVEIYLLPHPSEVRRKKT KCVPKCTDPTYNEI VVYDDV SGLQGHVLM
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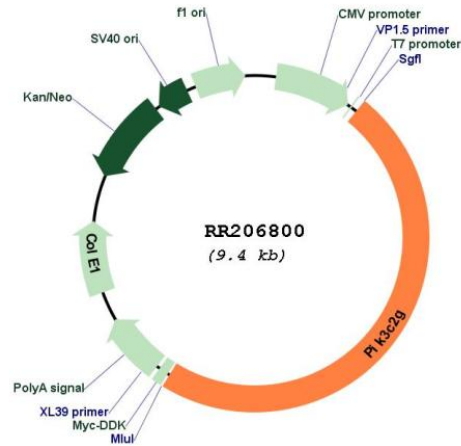
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_053923
ORF Size:	4515 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_053923.1](#), [NP_446375.1](#)

RefSeq Size: 5990 bp

RefSeq ORF: 4518 bp

Locus ID: 116720

UniProt ID: [O70173](#)

Cytogenetics: 4q44

MW: 171 kDa

Gene Summary: catalyzes the addition of a phosphate group to the 3' position for phosphatidylinositol and PtdIns 4-P substrates, but not for PtdIns 4,5-P2 [RGD, Feb 2006]