

## Product datasheet for MR212108

### Pi4ka (NM\_001001983) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pi4ka (NM_001001983) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pi4ka
Synonyms:	Pik4ca
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR212108 representing NM_001001983 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGGATCGCC**

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**Protein Sequence:**

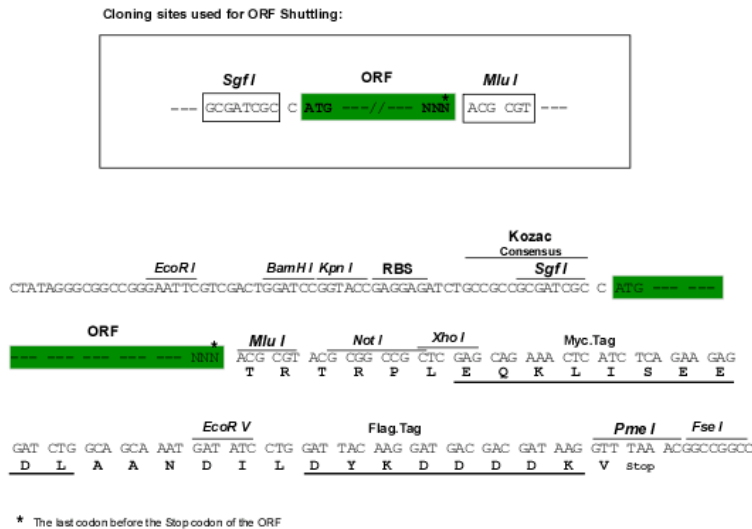
>MR212108 representing NM\_001001983  
 Red=Cloning site Green=Tags(s)

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 NKITNVS AIIKPYPKGDERKKA CLSALSEVKVQPGCYLPSNPEAIVLDIDYKSGTPMQSAAKAPYLAKFK  
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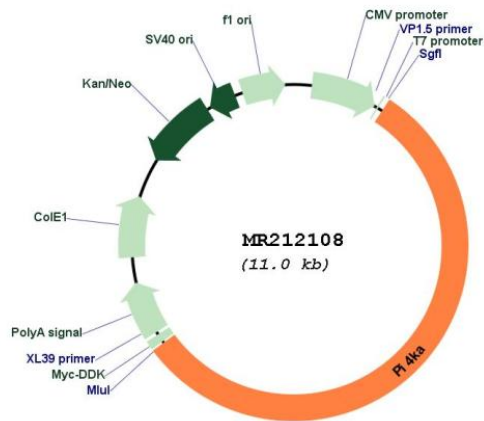
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001001983

ORF Size: 6132 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\\_001001983.2](#), [NP\\_001001983.2](#)

**RefSeq Size:** 6449 bp

**RefSeq ORF:** 6135 bp

**Locus ID:** 224020

**UniProt ID:** [E9Q3L2](#)

**Cytogenetics:** 16 A3

**MW:** 231.4 kDa

**Gene Summary:** Acts on phosphatidylinositol (PtdIns) in the first committed step in the production of the second messenger inositol-1,4,5,-trisphosphate.[UniProtKB/Swiss-Prot Function]