

Product datasheet for RC211134L1

INPP4B (NM_003866) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: INPP4B (NM_003866) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:INPP4B

Mammalian Cell None

Selection:

VOLIC

Vector: pLenti-C-Myc-DDK (PS100064)

E. coli Selection: Chloramphenicol (34 ug/mL)

Sequence:

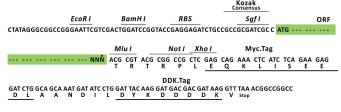
The ORF insert of this clone is exactly the same as(RC211134).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

ORF Nucleotide





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_003866

ORF Size: 2772 bp



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OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customercom or by calling 301.340.3188 option 3 for pricing and delivery.

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. <u>More info</u>

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: <u>NM 003866.1</u>

 RefSeq Size:
 2937 bp

 RefSeq ORF:
 2775 bp

 Locus ID:
 8821

 UniProt ID:
 015327

Cytogenetics: 4q31.21

Protein Families: Druggable Genome

Protein Pathways: Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

MW: 104.6 kDa

Gene Summary: INPP4B encodes the inositol polyphosphate 4-phosphatase type II, one of the enzymes

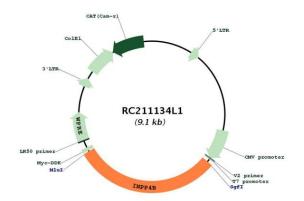
involved in phosphatidylinositol signaling pathways. This enzyme removes the phosphate group at position 4 of the inositol ring from inositol 3,4-bisphosphate. There is limited data to

suggest that the human type II enzyme is subject to alternative splicing, as has been

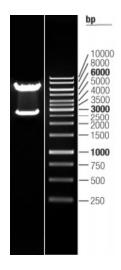
established for the type I enzyme. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC211134L1



Double digestion of RC211134L1 using Sgfl and Mlul $\,$