

Product datasheet for MR220626L4

Pik3ap1 (NM_031376) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Pik3ap1 (NM_031376) Mouse Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Pik3ap1

Synonyms: 1810044J04Rik; BCAP

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR220626).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_031376

ORF Size: 2433 bp



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Pik3ap1 (NM_031376) Mouse Tagged Lenti ORF Clone - MR220626L4

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: <u>NM 031376.3</u>

 RefSeq Size:
 2615 bp

 RefSeq ORF:
 2436 bp

 Locus ID:
 83490

 UniProt ID:
 Q9EQ32

 Cytogenetics:
 19 C3

Gene Summary: Signaling adapter that contributes to B-cell development by linking B-cell receptor (BCR)

signaling to the phosphoinositide 3-kinase (PI3K)-Akt signaling pathway. Has a

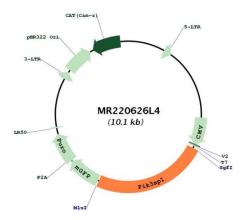
complementary role to the BCR coreceptor CD19, coupling BCR and Pl3K activation by

providing a docking site for the PI3K subunit PIK3R1. Alternatively, links Toll-like receptor (TLR) signaling to PI3K activation, a process preventing excessive inflammatory cytokine production. Also involved in the activation of PI3K in natural killer cells. May be involved in the survival of

mature B-cells via activation of REL.[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR220626L4