

Product datasheet for RC218354L2

PIK3C2B (NM_002646) Human Tagged Lenti ORF Clone

Product data:

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Product Type:	Expression Plasmids
Product Name:	PIK3C2B (NM_002646) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	PIK3C2B
Synonyms:	C2-PI3K
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218354).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling: Sgf I ORF Mlu I GCG ATC GCC ATG NNN ACG CGT



ACCN: ORF Size: NM_002646 4902 bp



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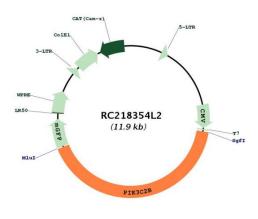
of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com 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. More infoOTI 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.	GRIGENE PIK3C2B (NM_002646) Human Tagged Lenti ORF Clone – RC218354L2	
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Protein Pathways: Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system	Cytogenetics:	1q32.1
	Protein Families:	Druggable Genome
MW: 184.6 kDa	Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
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GRIGENE PIK3C2B (NM_002646) Human Tagged Lenti ORF Clone – RC218354L2

Gene Summary:The protein encoded by this gene belongs to the phosphoinositide 3-kinase (PI3K) family. PI3-kinases play roles in signaling pathways involved in cell proliferation, oncogenic
transformation, cell survival, cell migration, and intracellular protein trafficking. This protein
contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of
class II PI3-kinases. C2 domains act as calcium-dependent phospholipid binding motifs that
mediate translocation of proteins to membranes, and may also mediate protein-protein
interactions. The PI3-kinase activity of this protein is sensitive to low nanomolar levels of the
inhibitor wortmanin. The C2 domain of this protein was shown to bind phospholipids but not
Ca2+, which suggests that this enzyme may function in a calcium-independent manner.
[provided by RefSeq, Jul 2008]

Product images:



Circular map for RC218354L2

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