Product datasheet for RC216570L4V

PI4KB (NM_002651) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PI4KB (NM_002651) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PI4KB
Synonyms:	NPIK; PI4K-BETA; PI4K92; PI4KBETA; PI4KIII; PI4KIIIBETA; PIK4CB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002651
ORF Size:	2484 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216570).
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.
RefSeq:	NM_002651.1
RefSeq Size:	3471 bp
RefSeq ORF:	2487 bp
Locus ID:	5298
UniProt ID:	Q9UBF8
Cytogenetics:	1q21.3
Domains:	PI3_PI4_kinase
Protein Families:	Druggable Genome

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Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	92.5 kDa
Gene Summary:	Phosphorylates phosphatidylinositol (PI) in the first committed step in the production of the second messenger inositol-1,4,5,-trisphosphate (PIP). May regulate Golgi disintegration/reorganization during mitosis, possibly via its phosphorylation. Involved in Golgi-to-plasma membrane trafficking (By similarity).[UniProtKB/Swiss-Prot Function]