

Product datasheet for **RC201367L4V**

PI4K2A (NM_018425) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PI4K2A (NM_018425) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PI4K2A
Synonyms:	PI4KII; PIK42A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018425
ORF Size:	1437 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201367).
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_018425.2 , NP_060895.1
RefSeq Size:	4185 bp
RefSeq ORF:	1440 bp
Locus ID:	55361
UniProt ID:	Q9BTU6
Cytogenetics:	10q24.2
Domains:	PI3_PI4_kinase
Protein Families:	Druggable Genome



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MW: 53.8 kDa

Gene Summary: Phosphatidylinositolpolyphosphates (PtdInsPs) are centrally involved in many biologic processes, ranging from cell growth and organization of the actin cytoskeleton to endo- and exocytosis. PI4KII phosphorylates PtdIns at the D-4 position, an essential step in the biosynthesis of PtdInsPs (Barylko et al., 2001 [PubMed 11244087]).[supplied by OMIM, Mar 2008]