

Product datasheet for **RC218825L4V**

PI4KA (NM_002650) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PI4KA (NM_002650) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PI4KA
Synonyms:	PI4K-ALPHA; pi4K230; PIK4CA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002650
ORF Size:	2562 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218825).
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_002650.1
RefSeq Size:	3034 bp
RefSeq ORF:	2565 bp
Locus ID:	5297
Cytogenetics:	22q11.21
Domains:	PI3_PI4_kinase, PI3Ka
Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system



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MW: 96.8 kDa

Gene Summary: This gene encodes a phosphatidylinositol (PI) 4-kinase which catalyzes the first committed step in the biosynthesis of phosphatidylinositol 4,5-bisphosphate. The mammalian PI 4-kinases have been classified into two types, II and III, based on their molecular mass, and modulation by detergent and adenosine. The protein encoded by this gene is a type III enzyme that is not inhibited by adenosine. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Apr 2018]