

## Product datasheet for **RC205323L3V**

### ITPKA (NM\_002220) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ITPKA (NM_002220) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ITPKA
Synonyms:	IP3-3KA; IP3KA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002220
ORF Size:	1383 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205323).
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. <a href="#">More info</a>
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:	<a href="#">NM_002220.1</a>
RefSeq Size:	1864 bp
RefSeq ORF:	1386 bp
Locus ID:	3706
UniProt ID:	<a href="#">P23677</a>
Cytogenetics:	15q15.1
Protein Families:	Druggable Genome



[View online »](#)

<b>Protein Pathways:</b>	Calcium signaling pathway, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
<b>MW:</b>	51 kDa
<b>Gene Summary:</b>	Regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P <sub>4</sub> . The activity of the inositol 1,4,5-trisphosphate 3-kinase is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling. Both calcium/calmodulin and protein phosphorylation mechanisms control its activity. It is also a substrate for the cyclic AMP-dependent protein kinase, calcium/calmodulin-dependent protein kinase II, and protein kinase C in vitro. [provided by RefSeq, Apr 2011]