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Product datasheet for RC223964L3V

ITPKB (NM_002221) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ITPKB (NM_002221) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ITPKB
Synonyms:	IP3-3KB; IP3K; IP3K-B; IP3KB; PIG37
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002221
ORF Size:	2838 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223964).
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_002221.2, NP_002212.2
RefSeq Size:	5875 bp
RefSeq ORF:	2841 bp
Locus ID:	3707
UniProt ID:	P27987
Cytogenetics:	1q42.12
Protein Families:	Druggable Genome

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Protein Pathways:	Calcium signaling pathway, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	102.2 kDa
Gene Summary:	The protein encoded by this protein regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P4. The activity of this encoded protein 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. [provided by RefSeq, Jul 2008]