

Product datasheet for **SC331221**

PI4KB (NM_001198774) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PI4KB (NM_001198774) Human Untagged Clone
Tag:	Tag Free
Symbol:	PI4KB
Synonyms:	NPIK; PI4K-BETA; PI4K92; PI4KBETA; PI4KIII; PI4KIIIBETA; PIK4CB
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331221 representing NM_001198774.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGAGATACAGTAGTGGAGCCTGCCCCCTTGAAGCCAATTCTGAGCCCACTTCTGGCCCACCAGGG
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CGGTCTATCACCACAACTCTATGACGGCTTCCAGTACCTCACCAACGGCATCATGTGA
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001198774

Insert Size: 2406 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001198774.1</u>
RefSeq Size:	3934 bp
RefSeq ORF:	2406 bp
Locus ID:	5298
UniProt ID:	<u>Q9UBF8</u>
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	89.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks two separated exons in the 5' region, as compared to variant 2. The resulting isoform (2) has a shorter N-terminus and lacks an internal segment, as compared to isoform 1. Variants 2 and 3 encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>