OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC320687

PI4K2A (NM_018425) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PI4K2A (NM_018425) Human Untagged Clone
Tag:	Tag Free
Symbol:	PI4K2A
Synonyms:	PI4KII; PIK42A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

```
>OriGene sequence for NM_018425.2
GCCGGGTCCCGGAGCCGGCTGTCTGAGGGATGGACGAGACGAGCCCACTAGTGTCCCCCG
AGCGGGCCCAACCCCCGGACTACACCTTCCCGTCGGGCTCGGGCGCTCACTTTCCGCAGG
TGCCCGGGGGCGCGGTCCGAGTGGCGGCGGCGGCCGGCTCGGGCCCCTCTCCGCCGGGCT
CGCCGGGCCACGACCGCGAGCGGCAGCCACTGTTGGATCGGGCCCGGGGCGCGGCGGCCC
AGGGCCAGACCCAAACCGTGGCGGCGCAGGCCCAGGCTCTGGCCGCTCAGGCCGCGGCGG
CAGCCCACGCCGCTCAGGCCCACCGCGAGCGGAACGAGTTCCCGGAGGATCCTGAGTTCG
AGGCGGTGGTGCGGCAGGCCGAGCTGGCCATCGAGCGCTGCATCTTTCCCGAGCGCATCT
ACCAGGGCTCCAGCGGAAGCTACTTCGTCAAGGACCCTCAGGGGAGGATCATTGCTGTCT
TCAAACCCAAGAATGAAGAGCCCTATGGGCATCTTAATCCTAAGTGGACCAAGTGGCTGC
AGAAGCTGTGCTGTCCTTGCTGCTTTGGCCGTGACTGCCTTGTCCTTAACCAGGGCTATC
TCTCAGAAGCAGGGGCCAGCCTGGTGGACCAAAAACTGGAACTCAACATTGTTCCCCGTA
CAAAGGTAGTATACCTGGCCAGTGAGACCTTCAACTATAGTGCCATTGACCGAGTGAAGT
CCAGGGGCAAGCGGCTTGCACTAGAGAAAGTGCCAAAAGTTGGACAGCGGTTTAACCGCA
TCGGGCTACCACCAAAGGTTGGTTCATTCCAGCTCTTTGTTGAAGGCTACAAAGATGCAG
ACTATTGGCTGCGGCGTTTTGAAGCAGAACCTCTTCCTGAGAACACTAACCGGCAACTAC
TGCTCCAGTTTGAGCGGTTGGTGGTGCTGGATTACATCATCCGCAACACTGATCGAGGCA
ATGACAACTGGCTGATTAAATATGACTGTCCAATGGATAGTTCTAGCTCTCGGGACACAG
ACTGGGTGGTGGTGAAGGAGCCTGTTATCAAGGTGGCTGCCATAGACAATGGGCTGGCCT
TCCCACTGAAGCATCCTGACTCCTGGAGGGCATATCCTTTTTACTGGGCCTGGTTGCCCC
AGGCGAAAGTCCCATTTTCTCAGGAGATCAAAGATCTGATCCTTCCAAAGATATCGGACC
CTAACTTCGTCAAGGACTTGGAAGAGGACCTATATGAACTCTTCAAGAAAGATCCTGGTT
TCGACAGGGGCCAGTTCCATAAGCAGATTGCTGTCATGCGGGGCCAGATCTTAAATCTGA
CCCAGGCCTTGAAAGACAACAAGAGTCCCCTGCACCTCGTCCAGATGCCACCTGTGATTG
TCGAGACGGCCCGTTCCCACCAGCGGTCTTCTAGCGAGTCCTACACACAGAGCTTTCAGA
GCCGGAAGCCCTTCTTTTCATGGTGGTAGCTCCAGAGGCAGGCAGAGGAAATATTGTCAG
AGACTGGTGGGAGGAAGCCTGGGGAGTGGGGTGCAGGAAAAGCCAGAGAAGCCGGTGGAG
AGCAGCACCTTTAAGAGCCCTCTCTCTCTGCTTGCCACCCTGCTCAGAGCTTTCCACCCA
CAGGGAGAAGCACAATCAGGAACAGTGAGTGCTCCTCGCCCTTCTGATGTGGGGGAGGCT
GGAGCTCCATGCACGTAGTCCAGATGCCTGGGAAGGAACATCTCCCTTCCAGCATCTGCT
GGTAGCAGGCTGGGACAGTCCCTTCCTTCCCTGAAACCCTGCTCTATTGCAATTCCCTAT
TATATTCTGCATCAAAAAAAAAAAAAAAAAAAAA
```

Restriction Sites: Please inquire

ACCN: NM_018425

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	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:	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
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]