

## Product datasheet for **SC205022**

### PI4KA (NM\_002650) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PI4KA (NM\_002650) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PI4KA  
**Synonyms:** PI4K-ALPHA; pi4K230; PIK4CA  
**ACCN:** NM\_002650  
**Insert Size:** 402 bp  
**Insert Sequence:** >SC205022 3'UTR clone of NM\_002650

The sequence shown below is from the reference sequence of NM\_002650. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGTACTATCAGAATGACATCCCCTACTGAGGAGGGACCTTCGAGGGCCTCTGCCCATGTGCCCTCA
AAGCTGTCCCACAATCATGGAGCCCTGCGACCTCCCTGCCCCACATGCAGTGGAGGAGAGGCC
TGTGGCCCAAAGAACCTGGTAGCGCTCCTGGGGCAGCACGTGGGTGGCGCAGCCTTGGTAACGCCATG
GACTGCAGCGACAATCAATGGATGGTGTCTATGCACAGGTGTGAGTCTCTGTTTGCCTGGACAT
ATTCCCTACCTGTCTTATTTTCATAGGTACATGAAGTATTGTGTATAAAAAAGAGATAAGATTTAACCA
ACATCAACAAAATAAAAAACCAAAATAGTGCTGTGTTGGAAAAAAAAAAAAAAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_002650.2](#)



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**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]

**Locus ID:** 5297

**MW:** 14.8