

## Product datasheet for **SC107349**

### PKIG (NM\_181804) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PKIG (NM_181804) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKIG
Synonyms:	PKI-gamma
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181804, the custom clone sequence may differ by one or more nucleotides

[ATGATGGAGGTCGAGTCCTCTACTCGGACTTCATCTCCTGTGACCGGACAGGCCGTCGGAATGCGGTCC  
CTGACATCCAGGGAGACTCAGAGGCTGTGAGCGTGAGGAAGCTGGCTGGAGACATGGCGGAGCTGGCACT  
CGAGGGGGCAGAAGGACAGGTGGAGGGAAGCGCCCCAGACAAGGAAGCTGGCAACCAGCCCCAGAGCAGC  
GATGGGACCACCTCGTCTTGA](#)

#### 5' Read Nucleotide Sequence:

>OriGene 5' read for NM\_181804 unedited  
TGTAATACGACTCACTATAGGGCGCCGGAATTCGGCACGAGGGAGACCGCAGGAGACA  
CGGGGAAGAGACAGAGAGGAGGGTAAAGTGAGAACTCTGCCCGCACACAGGTCTGGACT  
GCTAACCTTGAATCCTGGTTTCTTAAATCTGCCTCCGCTTCTGACTGAGGACCACTGGA  
TTTTGAGGAACTTTGGTCTTAATTCCTGACTGATTAGTCAACAGTGGAAAATCTGAAG  
AGATGCAAGCAGGAAAAAGAAATTAACCAGGCCTGAGGAGCGATGCGACAGGCATGATG  
GAGGTCGAGTCTCCTACTCGGACTTCATCTCCTGTGACCGGACAGGCCGTCGGAATGCG  
GTCCCTGACATCCAGGGAGACTCAGAGGCTGTGAGCGTGAGGAAGCTGGCTGGAGACATG  
GGCGAGCTGGCACTCGAGGGGGCAGAAGGACAGGTGGAGGGAAGCGCCCCAGACAAGGAA  
GCTGGCAACCAGCCCCAGAGCAGCGATGGGACCACCTCGTCTTGAATCTGACCTTGCCA  
AGAAGGCTGGACGAGAGACCTTCTGTCCCCTCCAGAGGGGGAACCCTGGCACTGGCCCA  
GCAGCCTCTTCTGAGCTCCATGTCCCAGATAAACCAGGCCAGACTGAGAAGGCTCCCC  
AGAGGCCTCTGTGGCCTNCACTCCGGGAAAGCCCTCTGCCACACCCACAGGCTTCACAT  
TCCCACCACCTTCGCACCGTGCCAGGTACACTTCAAGACACTGTTACCACAAGATGTT  
ATTATTTGAGCTGGCCCGGGACTTGGGGCGGGCCTGCCCTACAGTGAGCAGCCCAACA  
GGACGCTTCTCTCGCAGCGGCCCGCAGGNACCCTGTCCAACACCACACTNCTTTCAGC  
CATNTTNTGGCCAAACTGCTGTCC



<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_181804
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_181804.1, NP_861520.1</u>
<b>RefSeq Size:</b>	1353 bp
<b>RefSeq ORF:</b>	231 bp
<b>Locus ID:</b>	11142
<b>UniProt ID:</b>	<u>Q9Y2B9</u>
<b>Cytogenetics:</b>	20q13.12
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene encodes a member of the protein kinase inhibitor family. Studies of a similar protein in mice suggest that this protein acts as a potent competitive cAMP-dependent protein kinase inhibitor, and is a predominant form of inhibitor in various tissues. The encoded protein may be involved in osteogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 4. Variants 1-5 encode the same protein.</p>