

## Product datasheet for SC111674

### PKIB (NM\_032471) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PKIB (NM_032471) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKIB
Synonyms:	PRKACN2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111674 sequence for NM_032471 edited (data generated by NextGen Sequencing) ATGAGGACAGATTCATCAAAAATGACTGACGTGGAGTCTGGGGTCGCCAATTTTGCATCT TCAGCAAGGGCAGGCCCGCGGAATGCCTTACCAGACATCCAGAGTTCAGCTGCCACAGAC GGAACCTCAGATTTGCCCTCAAAGTGGAGGCTCTCTCCGTGAAGGAAGATGCAAAAAGAG AAAGATGAAAAACAACAAGACCAATTGAAAAAGCCTCAAAATGAAGAAAAATGA

Clone variation with respect to NM\_032471.4

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032471 unedited ACTCGGATTTGTAACGACTTATATAGGCGGCACCGCAATTCGCACGAGGAGCGAGCTAG AGCCCGAGTCGCAGCTCCGGGCCGAGAGCGCTGGGCGAGCGGAGCGCCAGGGCACCGG CAGGGCAGGCAGCTGCGCGGGCTGGAGTCATGCTATACTGAAAAGACTTTCATCAAGA TAACTCTGGGAGAAGCAGAAAACCTGTGCCATGGACAGGAAAGATAGGAGAAAGAAAGT TTATCAGAATTTTTAAACCTGTCTCAGAAATAACAACATATTTAATCAGAGATTTATG TTGCTATGAGGACAGATTCATCAAAAATGACTGACGTGGAGTCTGGGGTCGCCAATTTT CATCTTCAGCAAGGGCAGGCCCGCGGAATGCCTTACCAGACATCCAGAGTTCAGCTGCCA CAGACGGAACCTCAGATTTGCCCTCAAAGTGGAGGCTCTCTCCGTGAAGGAAGATGCAA AAGAGAAAGATGAAAAACAACAAGACCAATTGAAAAAGCCTCAAAATGAAGAAAAAT GAAGGCTCATAATCTATCAAGAGTGCTGAATTTCTGCATGTTGAAAGACTTAGTGTTCT GTTTTCTTGAGACATTTAATCTGGTGGTAACTGTGGTAACATTGCAGCCCTAAGCAGCAT GTGTATATTAGATAATTGTGTGTGATGCTACTCACTTTGATTGGCATGATGATGCCAA GGTAAGCTATTNAAAGGCANGNTACTTCNCAATCGCACTGNAGGGAAAGGGTNAGAAATA TACATGATCACAGNAATGCATACCACTGNTCTGTAACCAACAATTCCTGTTCTCTTT TGGATTTATTTAGCCTGATGATTTTTTAATTTCAATTTTTATGGTGTGGGCAATCATNC TTGGTAAATGTAATCAAACATGATTGATT
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**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a member of the cAMP-dependent protein kinase inhibitor family. The encoded protein may play a role in the protein kinase A (PKA) pathway by interacting with the catalytic subunit of PKA, and overexpression of this gene may play a role in prostate cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3 and 4 encode the same isoform (1). 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.