

## Product datasheet for SC112299

### CAMKV (NM\_024046) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CAMKV (NM_024046) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAMKV
Synonyms:	1G5; VACAMKL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_024046 edited  
 ATGCCGTTTGGGTGTGTGACTCTGGGCGACAAGAAGAACTATAACCAGCCATCGGAGGTG  
 ACTGACAGATATGATTTGGGACAGGTCATCAAGACTGAGGAGTTTGTGAAATCTCCGG  
 GCCAAGGACAAGACGACAGGCAAGCTGCACACCTGCAAGAAGTTCCAGAAGCGGGACGGC  
 CGCAAGGTGCGGAAAGCTGCCAAGAACGAGATAGGCATCCTCAAGATGGTGAAGCATCCC  
 AACATCTACAGCTGGTGGATGTGTTTGTACCCGCAAGGAGTACTTTATCTTCTGGAG  
 CTGGCCACGGGGAGGAGGTGTTTACTGGATCCTGGACCAGGGCTACTACTCGGAGCGA  
 GACACAAGCAACGTGGTACGGCAAGTCTGGAGGCCGTGGCCTATTTGCACTCACTCAAG  
 ATCGTGACAGGAATCTCAAGCTGGAGAACCTGGTTTACTACAACCGGCTGAAGAAGTGC  
 AAGATTGTCATCAGTGACTTCCATCTGGCTAAGCTAGAAAATGGCCTCATCAAGGAGCCC  
 TGTGGGACCCCGAGTATCTGGCCCGAGAGGTGGTAGGCCGCGAGCGGTATGGACGCCCT  
 GTGGACTGCTGGGCCATTGGAGTCATCATGTACATCCTGCTTTCAGGCAATCCACCTTTC  
 TATGAGGAGGTGGAAGAAGATGATTATGAGAACCATGATAAGAATCTCTCCGCAAGATC  
 CTGGCTGGTGACTATGAGTTTACTCTCCATATTGGGATGATATTTGCGAGGCAGCCAAA  
 GACCTGGTCACAAGGCTGATGGAGGTGGAGCAAGACCAGCGGATCACTGCAGAAGAGGCC  
 ATCTCCCATGAGTGGATTTCTGGCAATGCTGCTTCTGATAAGAACATCAAGGATGGTGTG  
 TGTGCCAGATTGAAAAGAACTTTGCCAGGGCCAAGTGGGAAGAAGGCTGTCCGAGTGACC  
 ACCCTCATGAAACGGCTCCGGGCACCAGAGCAGTCCAGCACGGCTGCAGCCCAGTCCGGCC  
 TCAGCCACAGACTGCCACCCCGGGGCTGCAGGTGGGGCCACAGCTGCAGCTGCGGAGT  
 GGAGCTACCTCAGCCCCTGAGGGTGATGCTGCTGCTGCTGCAAAGAGTGATAATGTGGCC  
 CCCGACAGCCGTAGTGCCACCCAGCCACAGATGGAAGTGCCACCCAGCCACTGATGGC  
 AGTGTCACCCAGCCACCGATGGAAGCATCACTCCAGCCACTGATGGGAGTGTCACCCCA  
 GCCACTGACAGGAGCGCTACTCCAGCCACTGATGGGAGAGCCACACCAGCCACAGAAGAG  
 AGCACTGTGCCACCACCCAAAGCAGTGCCATGCTGGCCACCAAGGCAGCTGCCACCCCT  
 GAGCCGGCTATGGCCAGCCGACAGCACAGCCCAGAGGGGCCACAGGCCAGGCTCCA  
 CCCTCTAGTAAAGGGGAAGAGGCTGCTGGTTATGCCAGGAGTCTCAAAGGGAGGAGGCC  
 AGCTGA



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_024046 unedited  
 CAAATTTTGTATACGACTCACTATAGGGCGGCCGAATCGGCACGAGGCCGAAGCGGCT  
 GCATCTGGCGCCGCTGCTGCCCCGCGTCTCGGAGCGGATTCTGCCCGCCGTCCCCGGAG  
 CCCTCGGCGCCCCGCTGAGCCCCGCGATCACTTCTCCCTGTGACCAACCGGCGCTGCAGG  
 TTAGAGCTGGCAATGCCGTTTGGGTGTGTGACTCTGGGCGACAAGAAGAACTATAACCA  
 GCCATCGGAGGTGACTGACAGATATGATTTGGGACAGGTATCAAGACTGAGGAGTTTTG  
 TGAATCTTCCGGGCAAGGACAAGACGACAGGCAAGCTGCACACCTGCAAGAAGTTCCA  
 GAAGCGGACGCGCGCAAGGTGCGGAAAGCTGCCAAGAACGAGATAGGCATCCTCAAGAT  
 GGTGAAGCATCCCAACATCCTACAGCTGGTGGATGTGTTGTGACCCGCAAGGAGTACTT  
 TATCTTCTGGAGCTGGCCACGGGGAGGGAGGTGTTTACTGGATCCTGGACCAGGGCTA  
 CTAATCGGAGCGAGACACAAGCAACGTGGTACGGCAAGTCTGGAGGCCGTGGCCATTT  
 GCACTCACTCAAGATCGTGCACAGGAATCTCAAGCTGGAGAACCCTGGTTACTACAACCG  
 GCTGAAGAACTCGAAGATTGTCATCAGTGACTTCCATCTGGCTAAGCTAGAAAATGGCT  
 CATCAAGGAGCCCTGTGGGACCCCCGAGTATCTGGCCCCAGAGGTGGTAGCCCCGACGG  
 TATGGACGCCCTGTGACTGCTNGGCATNGNAGTCATATGTACATCCTGCTTCANNGCATC  
 CACTTCTATGAGGAGGTGAGAAGAGATATGAGACCTGATAGAATCTCCCGCAGAACCTG  
 CTGGGACATGAGNNTGCTCTCTATGGGA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_024046 unedited  
 CTTTGCAGGTGATGTTTGTATTTGCCAGGTTCACTAGGCACACAGTTAACCACCGACCTT  
 CACACACCAGAGCAGACCACAGGCATGCAGGGAGAAGGGCAGGACCACCACGGAGTGCC  
 GAGCAAGGGCGAGGACCAATGTGGCTGCCTATCCAGGCTGTGGTAGGGTCTGACAAAGGG  
 CACCTGTGAGGAGCCTCCCTCAGGAAACTGGGGAGTTTAAACCCTACTTCTCATCCAGA  
 AAAAGCAACTCAATGTGGCTCTGAGGCACCTGGGCCTCTGATAGAAGTGAGCTGTAGAAA  
 GAGGGAGTTCTTCTTATTGTTGAACTGAGCAGAAAATCTGCCCTGTAAAGGGC  
 AAACCTCCAAATCAGATTATGAGTTATTGCCATGCAGCAAGCCCCCTTAGGTGGAGAGGA  
 CCTTGGCGGCTGAGATTGCACGAGGTGGGCATCTACGAAGAGCAAGGAGGTATCAGCCCT  
 CCCTGTTTGGCCAGGGTAAGGACCCACTAAGGCTGGGACACTGCGTGCCTGGGCTTGCA  
 CTCTGCCCTGCCAGGTCTATTGCCACGTCTACTTGTCCCTCTTCTCCTTACAGGCT  
 CACGAGGTCACGGTACAGGGCATCCCACCTGCACGATTTGAAAGGCCGGACACTACCC  
 ATTCACAGGCCCTTACGCAGGACAACACTGGAACCTCTGTCTTACCATTCTCTCCA  
 TTCCGGAGACCTCCACCCATTGAGCCCTTATTCCCTAACCCGTTGCCACTCTGGACTTAA  
 CATAACCGCCTACTTTTCGCTTCTTCCACCCCGTCTTCGTTCTAAAAATATTCCCCC  
 ACATAAGCCACCCTTTATGGGGTAGATCCCTTTCCCTTTNCGCCCCCTCGAGGACCC  
 CCCCCAGGCACGTCTCACCTTTAGGCCCGATACCCCCACTCCCTTTTCTCACCCA  
 CAGGCCGCCAACGTAGGGCACCN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_024046

**Insert Size:**

3330 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).

<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>	<a href="#">NM_024046.2</a> , <a href="#">NP_076951.1</a>
<b>RefSeq Size:</b>	3003 bp
<b>RefSeq ORF:</b>	1506 bp
<b>Locus ID:</b>	79012
<b>UniProt ID:</b>	<a href="#">Q8NCB2</a>
<b>Cytogenetics:</b>	3p21.31
<b>Domains:</b>	pkinase, TyrKc, S_TKc
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Gene Summary:</b>	Does not appear to have detectable kinase activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).