

## Product datasheet for **SC108424**

### CaMKI gamma (CAMK1G) (NM\_020439) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CaMKI gamma (CAMK1G) (NM_020439) Human Untagged Clone
Tag:	Tag Free
Symbol:	CaMKI gamma
Synonyms:	CLICK3; CLICKIII; dj272L16.1; VWS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_020439 edited  
 ATGGGTCGAAAGGAAGAAGATGACTGCAGTTCCTGGAAGAAACAGACCACCAACATCCGG  
 AAAACCTTCATTTTTATGGAAGTCTGGGATCAGGAGCTTCTCAGAAGTTTTCTGGTG  
 AAGCAAAGACTGACTGGGAAGCTCTTGCTCTGAAGTGCATCAAGAAGTCACTGCCTTC  
 CGGGACAGCAGCCTGGAGAATGAGATTGCTGTGTTGAAAAAGATCAAGCATGAAAACATT  
 GTGACCTGGAGGACATCTATGAGAGCACCACCCACTACTACCTGGTCATGCAGTTGTT  
 TCTGGTGGGAGCTCTTTGACCGGATCCTGGAGCGGGGTGCTACACAGAGAAGGATGCC  
 AGTCTGGTGATCCAGCAGGTCTTGTGCGCAGTCAAATACCTACATGAGAATGGCATCGTC  
 CACAGAGACTTAAAGCCCGAAAACCTGCTTTACCTTACCCTGAAGAGAAGCTCTAAGATC  
 ATGATCACTGACTTTGGTCTGTCCAAGATGGAACAGAATGGCATCATGTCCACTGCCTGT  
 GGGACCCAGGCTACGTGGCTCCAGAAGTCTGGCCAGAAACCTACAGCAAGGCTGTG  
 GATTGCTGGTCCATCGGGCTCATCACCTACATATTGCTCTGTGGATACCCCCATTCTAT  
 GAAGAAACGGAGTCTAAGCTTTTCGAGAAGATCAAGGAGGGCTACTATGAGTTTGTAGTCT  
 CCATTCTGGGATGACATTTCTGAGTCAGCCAAGGACTTTATTTGCCACTTGCTTGAGAAG  
 GATCCGAACGAGCGGTACACCTGTGAGAAGGCCTTGAGTCATCCCTGGATTGACGGAAAC  
 ACAGCCCTCCACCGGGACATCTACCCATCAGTCAGCCTCCAGATCCAGAAGAAGTTTGT  
 AAGAGCAAAGTGGAGGCAAGCCTTCAACGCAGCAGCTGTGGTGCACCACATGAGGAAGCTA  
 CACATGAACCTGCACAGCCCGGGCGTCCGCCAGAGGTGGAGAACAGGCCCGCTGAAACT  
 CAAGCCTCAGAAAACCTTAGACCCAGTCCCCTGAGATCACCATCACCAGGCACCTGTGTC  
 CTGGACCACAGTGTAGCACTCCCTGCCCTGACCCAATTACCCTGCCAGCATGGCCCGCGG  
 CCCACTGCCCTGGTGGCAGGTCCCTCAACTGCCTGGTCAATGGTCCCTCCACATCAGC  
 AGCAGCCTGGTGCCATGCATCAGGGTCCCTGGCCGCCGGGCCCTGTGGCTGCTGCTCC  
 AGCTGCCTGAACATTGGGAGCAAAGGAAAGTCTCCTACTGCTCTGAGCCACACTCCTC  
 AAAAAGGCCAACAAAAACAGAAGTCAAGTCGGAGGTCATGGTACCAGTTAAAGCCAGT  
 GGCAGCTCCCACTGCCGGCAGGGCAGACTGGAGTCTGTCTCATTATGTGA



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_020439 unedited</p> <pre>TCAAATATTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCAGCTAATCCT CACAGACCTGTAGGAGCTGGAGTGGGAGCTCAAGCAGGATTCTTCCCGAGTCCCTGGCAT CCTCAGAAGCTTCAACTCTGGAGGCAATGGGTCGAAAGGAAGAAGATGACTGCAGTTCCT GGAAGAAACAGACCACCAACATCCGAAAACCTTCATTTTTATGGAAGTGTGGGATCAG GAGCTTCTCAGAAGTTTTCTGGTGAAGCAAAGACTGACTGGGAAGCTTTTGTCTGA AGTGCATCAAGAAGTACCTGCCTTCCGGGACAGCAGCCTGGAGAATGAGATTGCTGTGT TGAAAAAGATCAAGCATGAAAACATTGTGACCCTGGAGGACATCTATNAGAGCACACCCT ACTACTACCTGGTCATGCAGCTTGTCTGGTGGGGAGCTCTTGACCGATCCTGGAGC GGGGTGTCTACACAGAGAAGGATGCCAGTCTGGTGTCCAGCAGGTCTTGTGGCAGTGA AATACCTACATGAGAATGGCATCGTCCACAGAGACTTAAAGCCCGAANACCTGCTTACC TTACCCCTGAAGAGAAGTCTAAGATCATGATCACTGACTTTGGTCTGTCCAAGATGGAAC AGAATGGCATCATGTCCACTGCCTGTGGACCCAGCTACGTGGTCCAGAAGTGTGGC CCAGAAACCTACAGNAAGGCTGGTGGATTGCTGGTCCATCGGCGTCATCACCTACATA TTGGCTCTGTGGATACCCCATTTCTATGAAAAACGGAGTCTAAGCTTTTCGAGAAGAT CAAGGAGGGCTACTATNNAATTTGAGTCTCCATTTGGGATGACATTNTCTGAGTCAGCC CAGGACTTTATTTGCCACTGCTTGGANAAGGATCCGAACGAGCGTACACTGGTNAGAAGG CCCTTGATCATCC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_020439 unedited</p> <pre>GCCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAGAGAAAAATTGTCCAT TTTATTAAGCACAACTGAGCATGAAGCTGGAGGGTGGAGGGCAGGAACTGGGGAA GGACAAGAATGGTGTGCTGGACTTCAAGGAGAGAAAAGGAACAGAGGCAGGATTAGAA CTCCTGGCAGACATTAATAAGTCAACTTCCAAGGTTAACTCCATTGGGTGTGTGCACGG AGGACATGTGGCCAGGATAAGAATTCCTTGCAGCCCTTACTCATGAACCTCTTCTATTC CACTTTGGAGGGTGTGGCACTGCTTTAGATTGAGGCAGGGAGAAGGGCCAGAAGTGTGC TGGCTGGGTCTCAGCGCACTTGGGAGCTAATCCTGGAGTTAAGGATTAGAAGTGAAGAG CTCACAGGCAGACCACCTGGGGAGCTGCCTGTCACTCATGCAGATGGGCAGGCAACGAC ATTAATGAGCCCAATCTGGCCAAGAGTTGGAGGCTTGAAGGTGGGAGTGAAGTGTGTGC AAAGTGGGAGTCTGGGTAGATGCTCCATATGGCTNTGCTTGGAGAGGTGACACAGCCTGG CCAGCCCATTAAGCTTTTCACGAACAACAGCACAGACCCAGGCGAGAGCTATCTACGTAC ACTGCACAGAGCCACGGCACGTAGGGTGTGGGCATANAGCANGCANGTCAAGNAGACCT GNAAGCTGTGGGCACCGCTTCTCCTGCTCACAGCTTCAACAAGCTTCTACGCTTGGGG GCTNCTNCTGGGCTNCTATGAAGGCNNTGCCCGCTGCANANGCTGGTGTCTTCTGGC CANAACTGCTNCTGCTAAAGCCCTGCTCACTTGTCTGNCTTCTNCTCTGCCGGAAG CACCCAGTTTGGAAANAGCAAAGAGTTGAATTGNCTCCTGAAATGCAGTGACATAGCA CAGGCTCCAGGAATCACATATGAGACAGACTCCAGTCTGCCCTGGCCGGCAAGN</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_020439
<b>Insert Size:</b>	2780 bp
<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).

**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\\_020439.2](#), [NP\\_065172.1](#)

**RefSeq Size:** 2507 bp

**RefSeq ORF:** 1431 bp

**Locus ID:** 57172

**UniProt ID:** [Q96NX5](#)

**Cytogenetics:** 1q32.2

**Domains:** pkinase, TyrKc, S\_TKc

**Protein Families:** Druggable Genome, Protein Kinase

**Gene Summary:** This gene encodes a protein similar to calcium/calmodulin dependent protein kinase, however, its exact function is not known. [provided by RefSeq, Jul 2008]