

Product datasheet for **RG207444**

CaMKI gamma (CAMK1G) (NM_020439) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CaMKI gamma (CAMK1G) (NM_020439) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CaMKI gamma
Synonyms:	CLICK3; CLICKIII; dj272L16.1; VWS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207444 representing NM_020439
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTCGAAAGGAAGAAGATGACTGCAGTTCCTGGAAGAAACAGACCACCAACATCCGGAAAACCTTCA
 TTTTATGGAAGTCTGGGATCAGGAGCTTTCTCAGAAGTTTTCTGGTGAAGCAAAGACTGACTGGGAA
 GCTCTTTGCTCTGAAGTGCATCAAGAAGTCACCTGCCTCCGGGACAGCAGCCTGGAGAATGAGATTGCT
 GTGTTGAAAAAGATCAAGCATGAAAACATTGTGACCCTGGAGGACATCTATGAGAGCACCACCCACTACT
 ACCTGGTCATGCAGCTTGTCTGGTGGGAGCTTTTGACCGGATCCTGGAGCGGGGTGTCTACACAGA
 GAAGGATGCCAGTCTGGTATCCAGCAGGTCTTGTGCGCAGTCAAATACCTACATGAGAATGGCATCGTC
 CACAGAGACTTAAAGCCCGAAAACCTGCTTACCTTACCCCTGAAGAGAAGTCTAAGATCATGATCACTG
 ACTTTGGTCTGTCCAAGATGGAACAGAATGGCATCATGTCCACTGCCTGTGGACCCAGGCTACGTGGC
 TCCAGAAGTGCTGGCCAGAAAACCTACAGCAAGGCTGTGGATTGCTGGTCCATCGGCGTATCACCTAC
 ATATTGCTCTGTGGATACCCCGTTCTATGAAGAAACGGAGTCTAAGCTTTTCGAGAAGATCAAGGAGG
 GCTACTATGAGTTTGAGTCTCCATTCTGGGATGACATTTCTGAGTCAGCAAGGACTTTATTTGCCACTT
 GCTTGAGAAGGATCCGAACGAGCGGTACACCTGTGAGAAGGCCTTGAGTCATCCCTGGATTGACGAAAAC
 ACAGCCCTCCACCGGACATCTACCCATCAGTCAGCCTCCAGATCCAGAAGAAGTTTGCTAAGAGCAAGT
 GGAGGCAAGCCTTCAACGAGCAGCTGTGGTGCACCACATGAGGAAGCTACACATGAACCTGCACAGCCC
 GGGCGTCCGCCAGAGGTGGAGAACAGGCCGCTGAAACTCAAGCCTCAGAAAACCTTAGACCCAGCTCC
 CCTGAGATCACCATCACCAGGCACCTGCTGACCACAGTGTAGCACTCCCTGCCCTGACCCAATTAC
 CCTGCCAGCATGGCCGCGCCACTGCCCTGGTGGCAGTCCCTCAACTGCCTGGTCAATGGTCCCT
 CCACATCAGCAGCAGCCTGGTGCCCATGCATCAGGGGTCCCTGGCCGCGGGCCCTGTGGCTGCTGCTCC
 AGCTGCCTGAACATTGGGAGCAAAGGAAAGTCTCCTACTGCTCTGAGCCACACTCCTCAAAAAGGCCA
 ACAAAAAACAGAAGTCAAGTCCGAGGTCATGGTACCAGTAAAGCCAGTGGCAGCTCCCACTGCCGGG
 AGGGCAGACTGGAGTCTGTCTATTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207444 representing NM_020439
 Red=Cloning site Green=Tags(s)

MGRKEEDDCSSWKKQTTNIRKTFIFMEVLGSGAFSEVFLVKQRLTGKLFALKCIKKSPAFRDSSLENEIA
 VLKKIKHENIVTLEDIYESTTHYYLVMQLVSGGELFDRILERGVYTEKASLVIQQVLSAVKYLHENGIV
 HRDLKPENLLYL TPEENSKIMITDFGLSKMEQNGIMSTACGTPGYVAPEVLAQKPYKAVDCWSIGVITY
 ILLCGYPPFYEETESKLFEKIKEGYEFESPFWDDISESAKDFICHLLKDPNERYTCEKALSHPWIDGN
 TALHRDIYPSVSLQIQKNFAKSKWRQAFNAAAVVHMRKLMNHLHSPGVRPEVENRPPETQASETSPSS
 PEITITEAPVLDHSVALPALTQLPCQHRRPTAPGGRSLNCLVNGSLHISSSLVPMHQGSLAAGPCGCCS
 SCLNIGSKGKSSYCEPTLLKKANKKQNFKSEVMVPKASGSSHCRAQTGVCLIM

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_020439

ORF Size: 1428 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

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

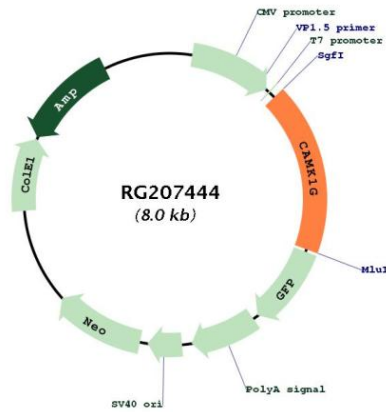
RefSeq ORF: 1431 bp

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]

Product images:



Circular map for RG207444