



<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for BC020630 unedited</p> <pre> ACGACTACTATAGGCGGCCGCAATTCGGCACGAGGGCAGGACACCAACAACTTCTTCGG CGCCGGGCAGAACAAAGCGGCCGCCAAGCTGGGCCAGATCGGCCGGAGCAAGCGGGTTGT TATTGAAGATGATAGGATTGATGACGTGCTGAAAAATATGACCGACAAGGCACCTCTGG TGTCTAACTCCCCAAAGACAATGAGTTAAGGGAGAGAATAAGAACGGCGGTAACAGTTA TTGGCAAAAAGCATGAAAAGAGAAAGCACTTTGAAATTTATTACTAGCTTGCTACCCACG ATGAAATCAACAACCTGTATCTGGTATCAGGCCGGGAGACAGATGAGGCGAGAGGAGGAG GAGGAGGAGGAGAAGGCTCTGGGCTCCTGCAAAAATAAAAATAAAAAATAAAATAAAA TTTTAAAAATAATAAAAATTCACATATACACATATAAAGAAATAAAAAGAGTCTCAGT TGCAGCTATTTGTCAAAATTAATATCCATTTCTTTTTATACGGTGAATATTGCGCAAT TATAGACTGGATTTTGAACCCTTAATGAAGCGCAACACCAGGTGTTTTGAGGTGTTG GCATTCTCGCTGATTTGGCTGTTCCCAATGTTTACATTATTTAATCTTGCAAAAATGGT TCTGTGCACTTGGATGTGAAATGCTGTCCAGTTTTATTTTTTTATNNGTGTATCCTTGG ATGTACAAAAATTCAGAAATGATCTCTGTAGATATTCTGTTTTATTTTGGTCATCTTT AGAAGTATCAGGAATGTGTTAAAACAAGAGAGAACTTTCTAGGATGATCATAGANAGAT TTTATTTAAATGAGTTGAAAGCTTGGTTCTTGTGTGCTGCAGCTTCTGCCAGTTATGCA ATGGCCATTTTTTGTGCAAAACCCCCCCCCCCCCCCCCCCCCCCC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for BC020630 unedited</p> <pre> CTTTGGACGCGCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGACACAGAAC AATTCTTTTATTGTACACTTGGAGAAATAGCCCTGTGTGCTGGTTCAAGGTGCAACATAC AGAATATTGAATTAAGAAAAGAGGGAACGGGAAGGGAAGGGAACCTCTTGAGGTCCAA AGTTGCAAAACAAAAATGGTAAAAGATTTCTCACGCAAGAGGCATTTTTGCAAAATACCA TGCAAAACAGGCAGCTGGTGTGCCTTAAGAGAATCCCTATAAATAACAGAAAAGACACTC CAAGCATTCTGTACGTGGACTCAGAGCACAGAGAAAAGAACTAAAAATGCCTTTTGGCA TTTCAAGATATTTGGCACTCTTGTGATTACATTTTTTTACAGTCCATTAAGAGAATAAA CTGACATAATATTAGAGAAATAAACAGGCTGCTCACACAACAGACTGCAAGGGGAAGTTA GAAAAAGCTCAAGCATTTTTTCTTTGTTTTTCTGTGTGTGTGTGTGTGTGTGTGTGTG TGTGTGTGTGTTTTCTGACATAAAAAATGTGTCCATTTGCATTAACCTGGGCAGATAGC TTGCAGCAACAAAGAAACACAAGCTTTACAACCTATTTAAAAATAAAATCTTTCTATGT ATCATTCTTAGAAAAGTTCTCTTCTTGTTTTAAACACATTCCTGATAACTTCTAAAGAT GACCAAAATAAACAGAAATCTACAGAGATCATNTCTGAATNTTTGTACATCCAAGG GGATACACATAANAAAAATAAACTGGACAGCATTTACATNNCAGTGACAGAACCCATT NTTTCAGATAANNTATGTAACATTGNGACAGCCAAATAGCGAAGATGCCACACTCAAC ACCTGTGNTGCCGCTTCATTAGTGGTCAAATCAGACTATATGCGCATATCACCGATTAA AAAATGGTATA</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC020630
<b>Insert Size:</b>	1460 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:** [BC020630.1](#), [AAH20630.2](#)

**RefSeq Size:** 1377 bp

**RefSeq ORF:** 1098 bp

**Locus ID:** 55450

**Cytogenetics:** 1p36.12

**Protein Families:** Druggable Genome

**Gene Summary:** Potent and specific inhibitor of CaM-kinase II (CAMK2).[UniProtKB/Swiss-Prot Function]