

Product datasheet for **SC113435**

CAMK2N1 (NM_018584) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | CAMK2N1 (NM_018584) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CAMK2N1 |
| Synonyms: | PRO1489 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC113435 sequence for NM_018584 edited (data generated by NextGen Sequencing) ATGTCCGGAGGTGCTGCCCTACGGCGACGAGAAGCTGAGCCCTACGGCGACGGCGGCGAC GTGGGCCAGATCTTCTCCTGCCGCCTGCAGGACCAACAACCTTCTCGGCCCGGGCAG AACAAGCGGCCGCCCAAGCTGGGCCAGATCGGCCGGAGCAAGCGGTTGTTATTGAAGAT GATAGGATTGATGACGTGCTGAAAAATATGACCGACAAGGCACCTCCTGGTGTCTAA Clone variation with respect to NM_018584.5 |



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| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_018584 unedited CTCACTATAGGGCGGCCGCAATCGGCATGAGGGCGCCGCGGAGCCCCGGACGCGA CCATGTGCGGAGGTGCTGCCCTACGGCGACNAGAAGCTGAGCCCCTACGGCGACGGCGGCG ACGTGGGCCAGATCTTCTCTGCCGCTGCAGGACACCAACAACCTTCTTCGGCGCCGGGC AGAACAAGCGGCCGCCAAGCTGGGCCAGATCGGCCGAGCAAGCGGGTTGTTATTGAAG ATGATAGGATTGATGACGTGCTGAAAAATATGACCGACAAGGCACCTCCTGGTGTCTAAC TCCCCAAAGACAATGAGTTAAGGGAGAGAATAAGAACGGCGGTAACAGTTATTGGCAAA AAGCATGAAAAGAGAAAGCACTTTGAAATTTTACTAGCTTGCTACCCACGATGAAATC AACAACTGTATCTGGTATCAGGCCGGGAGACAGATGAGGCGAGAGGAGGAGGAGGAGGA GGNAAAAAGGCTCTGGGCTCCTCTGCAAAAAATAAAAAATAAAAAATAAATAAAAATTTAA AAATAATAAAAAATTCATATATACACATATAAAGAATAAAAAAGAAGTCTCAGTTGCAGCT ATTTGTCAAATTAATATCCATTTCTTTTATACGGTGAATATTGGCGCATTATAGATCT GGATTNTGAACCACTTATGAAGCGCACACCAAGTGTNTNNGGGGGTGTGCATCTTCG CTGTTTGGGCTGTNCCCATGTTACATATNTACTGAAAAAAGGGGTTCTGGACCTTGA TGGAAAAGCCCCAAGTTAATTTTTTTAAGGGGACCCCGGGGAGACAAAAATAGAAA GGACCTGAAAAATTTGGTTTTTTTTGGACTCTTTTAAGTTAAGGAGAGGGGTTACCAGA AAGAACTCTTAGGGAGATCTCNAAGATTTTTAAAGGTGNNCCCTGGGGGTTTTTTTT GGGCACCTTCGCCAGTAAGCAGGCCACTTTTTTTGGGAAACCCCCCCCCCCCCCCCCC CC |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_018584 |
| Insert Size: | 1400 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). |
| Reconstitution Method: | <ol style="list-style-type: none"> 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: | <u>NM_018584.4</u> , <u>NP_061054.2</u> |
| RefSeq Size: | 860 bp |
| RefSeq ORF: | 237 bp |
| Locus ID: | 55450 |
| UniProt ID: | <u>Q7Z7I9</u> |
| Cytogenetics: | 1p36.12 |
| Protein Families: | Druggable Genome |

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