

Product datasheet for **SC207375**

CAMKK2 (NM_172214) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: CAMKK2 (NM_172214) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CAMKK2
Synonyms: CAMKK; CAMKKB
ACCN: NM_172214
Insert Size: 566 bp
Insert Sequence: >SC207375 3'UTR clone of NM_172214
The sequence shown below is from the reference sequence of NM_172214. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGTGAGTCCCTGTCTGAGCTCAAGACCTAGAAAAATAAGTCCCCTTCTGCCTGTTGCAAAGTAAACGTAA
GAGTTCCTCACCCGAGTGGATGCAGACCTTCTTGCTGTCAGCCACCCTTCTTCATACATAGCCAG
CCCAGGTGACCAGAACCTCCCAGGACAGATGAGGCTTTGTGTCCTTATGAGACTGGGAGAACCTGCCTGG
GCACCCCTGCTGCAGGTGCTGTGGTGGGTGGGGACCCCACTGCCCTTCCCACTGAGCACATCATGGCTA
CCTGACTTGGTGGGAGCTCCAGGCACTACTTCTGTTTCTTAAACATAGCTTTACTGAGGTACAATTCA
CATACCATGTAATTCACCCACGGGAAGTGTATGATTTCAGTGGTTTCTAATACAGACTTCTGCAGCCATT
ACCACCGTCAACTTTACGACATTTTCATCAGCCCAAGAAGACACCCTACACTCCTTAGCTGTCCCATC
CAACTCCCCACCCAGTAACCACTCAGAATAGGTATGGATTTGCCTATTCTGGACGTTTCGTATAAAT
GGCGTCATACACTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



[View online »](#)

RefSeq: [NM_172214.3](#)

Summary: The product of this gene belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. The major isoform of this gene plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade by phosphorylating the downstream kinases CaMK1 and CaMK4. Protein products of this gene also phosphorylate AMP-activated protein kinase (AMPK). This gene has its strongest expression in the brain and influences signalling cascades involved with learning and memory, neuronal differentiation and migration, neurite outgrowth, and synapse formation. Alternative splicing results in multiple transcript variants encoding distinct isoforms. The identified isoforms differ in their ability to undergo autophosphorylation and to phosphorylate downstream kinases. [provided by RefSeq, Jul 2012]

Locus ID: 10645

MW: 21.2