

Product datasheet for **SC218593**

CAMK2B (NM_001220) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CAMK2B (NM_001220) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CAMK2B
Synonyms:	CAM2; CAMK2; CAMKB; CaMKIIbeta; MRD54
ACCN:	NM_001220
Insert Size:	2000 bp



[View online »](#)

Insert Sequence:

>SC218593 3'UTR clone of NM_001220

The sequence shown below is from the reference sequence of NM_001220. 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
TCGGGCGCGCCTGTGGCCCCGCTGCAGTGAAGAGCTGCGCCCTGGTTTCGCCGACAGAGTTGGTGTGTT
GGAGCCCGACTGCCCTCGGGCACACGGCCTGCCTGTGCGATGTTTGTGTCTGCCTCGTTCCTCCCTCG
GTGCTGTGTCTGCAGAAAAACAAGACCAGATGTGATTTGTTAAAAAAAACAAAAA
AAACAAGATGACGACGACAACCACAAAAAATTGACATCAGATGAAATGAAAAA
AAACTAAAGGAAGGAAAAAGCTGTAATAACTACTGGCATTCTGGGGCCACTCCCACCAAGCTCCA
CGTGTGTCGCTGTGCTCCTGGCCTCTGGGGACCAGCTGGGACATGAAGTTGTCTGCCAGGCCCCCG
TCGCGTGTGAACGGTGTAGTTTGTAGGTAACGCACACACCCACACCTAAGGTGTCTGCATCCTCCT
GCCAACGCATGGGCTCCACGTGGTGTGCTCGCTGGCTGTGCTGACTGTCAGCTGTCTTTGGGAGGGGC
TGTGGGGCCCGCTGGGCTGCCTCCTTTCCCGCTAGTTGTGCCTGAGAGTTGCTGTTGTTCTGCTTTC
CCTTCCCTTCTTTCATCCCTGAAGGGCTAGGTGTGGGTTTTCCGTGCCCGGTATCCCCACACACCCA
GCACGGACAACCTTTCGGCAGAGCCAGGCCGGCCCTCACCCCTGGAGTATTGAACTGGAGTCCCG
TCCCAAGGCCTTTCAGAGATGCCCTACACACCCAGGGCTCCAGCTCTGGTCTTCTGGGGAGTAAAG
TGCAAAGAGGGGACAGCTTAGTTTTGGGCTCTCGCCGAGCAAGAGACAGCACTGCTGGCTACAGCTC
CAACACAGCCAGCTGTGGCAAGAGGACTCTGCCTGGGCTGGCCCCCTCCTGTGTAGGTGTCTGTCCC
TTCTCTGCTGGCCAGCAGCAGATGCACTGGCAGCTCCCAACCTGTTCCGCCCCCGCCCTCCCCCA
GCCTGTTCGGCTTCTCTGCAGCCCGCAAGGGGGAGCAGACTTTTGACAAAGGACTGCGGGCCTCGCTCA
AGTCCCTGAGCCCCAGCTGAAGCTGGGAGGGGAGGCCAGGCTTTGTGTCTGGGCATATTCTGTCTGCTG
ATGGGTTTTGGGAAGCCTGGGGCTGGGGTTTTGGTGGGTGGTGCAGCTAGTGGCAGAGCGGGATCAG
AGGTGGTGGCTGCCAGCTTCTGGGCTGAGACAAGGGTCTGTGCAGGGGTTACTGAAAGTGGGAGTGCC
TTTGGAATCTGGGCCGGGAGCAGAAGGGAGCAAAAGCTACAGTGGGAGCCAGCCTAGGGCACATGGGAG
GCGTGAGGGCAGTGTGCCCGTGCAGTGTGAGGTGTGCCAGTGCCTTGGCGGGCTGCAGTGCCTGTGAG
GGCACCTTCTAGGTGGCCAGGGATGCAGCTATGGAGATAAGGCGGGCTGGGGACAGAAACAGTGGGC
ACAGGGCCAGGACACCAGCGGATGGAGGGCAGGGTCTAGCCCTGTGCTCCTGAGCGTCCGCTGCCTGG
GTTTCGAGGCGGTGGTCCCGGCCCTTGTGATGGTGTGTACCATGGGGAGCTCGGGACAGGGCAAG
CCCAGCATGGTGGGGCTGCAGGGTGGTCTGAAGCCAGGTTGGGTGGGGTGGTACAAGCCCTGACT
GCAGAGGGTCAAGGGCTCCTGCCCCAGTGCCTGCCCACTTCAATTACATTGTTTTCAACAAGGATTT
TCTTTATCTTCCCTACAAATCAAGCAAGGGAGGGGCACAGAATGGGGAACAGGACACAGGATCCTAA
ACTCAAGGGGACTGTCCACCGATGAACACTCAGAGTGGACACCATCTTCCGTCCACGCTGTGCCAGG
ACAGCTGTCCCATCCATGAACACAGGGTAAACATCTGCCGGGCTCCGCACCAAGTGGCTCCCTGGGCC
ACGCGTAAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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Restriction Sites:

Sgfl-Mlul

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 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_001220.5](#)

Summary: The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a beta chain. It is possible that distinct isoforms of this chain have different cellular localizations and interact differently with calmodulin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

Locus ID: 816

MW: 71.4