

## Product datasheet for **SC202399**

### **CAMK2D (NM\_172115) Human 3' UTR Clone**

#### **Product data:**

<b>Product Type:</b>	3' UTR Clones
<b>Product Name:</b>	CAMK2D (NM_172115) Human 3' UTR Clone
<b>Vector:</b>	pMirTarget (PS100062)
<b>Symbol:</b>	CAMK2D
<b>Synonyms:</b>	CAMKD
<b>ACCN:</b>	NM_172115
<b>Insert Size:</b>	173 bp
<b>Insert Sequence:</b>	>SC202399 3'UTR clone of NM_172115 The sequence shown below is from the reference sequence of NM_172115. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAG <b>CGATCGCC</b> TCGGGGTCACCAACAGTACCCATCAAG <b>TA</b> ATATTCCAGGCTGTCAGCTTCTTTGTTAATACCCCAT GGTCAGCTCCTTCTACTTATTCCATTGTTAATAGCATGGTATATGTTATTTAACGCTAGTAGTTGGTTA CACTGATGAAAAATAAATGCCTTCACGGGAAAGGTT <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_172115.3</a></u>



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**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 delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns.[provided by RefSeq, Nov 2008]

**Locus ID:** 817

**MW:** 6.5