

## Product datasheet for **SC202401**

### **CAMK2D (NM\_172114) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	CAMK2D (NM_172114) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CAMK2D
Synonyms:	CAMKD
ACCN:	NM_172114
Insert Size:	173 bp
Insert Sequence:	>SC202401 3'UTR clone of NM_172114 The sequence shown below is from the reference sequence of NM_172114. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCGGGGTCACCAACAGTACCCATCAAGTAATATTTCCAGGCTGTCAGCTTCTTTGTTAATACCCCAT GGTCAGCTCCTTCTACTTATTCCATTGTTAATAGCATGGTATATGTTATTTAACGCTAGTAGTTGGTTA CACTGATGAAAAATAAATGCCTTCACGGGAAAGGTT <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-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 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u><a href="#">NM_172114.2</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