

Product datasheet for **SC202400**

CAMK2D (NM_172129) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CAMK2D (NM_172129) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CAMK2D
Synonyms:	CAMKD
ACCN:	NM_172129
Insert Size:	173 bp
Insert Sequence:	>SC202400 3'UTR clone of NM_172129 The sequence shown below is from the reference sequence of NM_172129. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAG CGATCGCC TCGGGGTCACCAACAGTACCCATCAAG TA ATATTTCCAGGCTGTCAGCTTCTTTGTTAATACCCCAT GGTCAGCTCCTTCTACTTATTCCATTGTTAATAGCATGGTATATGTTATTTAACGCTAGTAGTTGGTTA CACTGATGAAAAATAAATGCCTTCACGGGAAAGGTT ACGCGT 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>NM_172129.2</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