

## Product datasheet for SC205646

### PKC zeta (PRKCZ) (NM\_002744) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PKC zeta (PRKCZ) (NM_002744) Human 3' UTR Clone
Symbol:	PKC zeta
Synonyms:	PKC-ZETA; PKC2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002744
Insert Size:	416 bp
Insert Sequence:	>SC205646 3'UTR clone of NM_002744 The sequence shown below is from the reference sequence of NM_002744. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTATTGCTGTCCACCGAGGAGTCGGTGTGAGGCCGCGTTCGTCTCTGTCGTGGACACGCGTGATTGACC
CTTTAACTGTATCCTTAACCACCGCATATGCATGCCAGGCTGGGCACGGCTCCGAGGGCGGCCAGGGAC
AGACGCTTGCGCCGAGACCGCAGAGGGAAGCGTCAGCGGGCGCTGCTGGGAGCAGAACAGTCCCTCACA
CCTGGGCCCGGGCAGGCCAGCTTCGTGCTGGAGGAACTTGTGCTGTGCCTGCGTCGCGGGCGGATCCGC
GGGGACCCTGCCGAGGGGCTGTATGCGGTTTCCAAGGTGCACATTTCCACGGAACAGAACTCGAT
GCACTGACCTGCTCCGCCAGGAAAGTGAGCGTGTAGCGTCTGAGGAATAAAATGTTCCGATGATGTGG
AA
AGCGGACCGACTTACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCACGAGATTTTCGATTCCACCGCCGC
```

Restriction Sites:	Sgfl-RsrII
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.



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RefSeq: [NM\\_002744.6](#)

**Summary:** Protein kinase C (PKC) zeta is a member of the PKC family of serine/threonine kinases which are involved in a variety of cellular processes such as proliferation, differentiation and secretion. Unlike the classical PKC isoenzymes which are calcium-dependent, PKC zeta exhibits a kinase activity which is independent of calcium and diacylglycerol but not of phosphatidylserine. Furthermore, it is insensitive to typical PKC inhibitors and cannot be activated by phorbol ester. Unlike the classical PKC isoenzymes, it has only a single zinc finger module. These structural and biochemical properties indicate that the zeta subspecies is related to, but distinct from other isoenzymes of PKC. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Locus ID: 5590

MW: 15.4