

Product datasheet for **SC206723**

PKC beta 1 (PRKCB) (NM_212535) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PKC beta 1 (PRKCB) (NM_212535) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PRKCB
Synonyms: PKC-beta; PKCB; PKCbeta; PKCI(2); PRKCB1; PRKCB2
ACCN: NM_212535
Insert Size: 528 bp
Insert Sequence: >SC206723 3'UTR clone of NM_212535
The sequence shown below is from the reference sequence of NM_212535. 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
ACTAACCCAGAGTTTGTCTTAATGTGTAGGTGAATGCAAACCTCCATCGTTGAGCCTGGGGTGAAGAC
TTCAAGCCAAGCGTATGTATCAATTCTAGTCTCCAGGATTCACGGTGACATGCTGGCATTCAACATG
TGGAAAGCTTGTCTTAGAGGGCTTTTCTTGTATGTGTAGCTTGCTAGTTTGTCTTACATTTGAAAA
TGTTTAGTTTGAATAAGCGCATTATCCAATTATAGAGGTACAATTTTCAAACCTCCAGAACTCATC
AAATGAACAGACAATGTCAAACACTGTGTCTGATACCAAAATGCTTCAGTATTTGTAATTTTTCAAG
TCAGAAGCTGATGTTCTGGTAAAAGTTTTACAGTTATTCTATAATATCTTCTTGAATGCTAAGCAT
GAGCGATTTTTTAAAAATTGTGAGTAAGCTTTCAGTACTGTGAACATTTGTCTCTTGGAGGAAGTT
TTTTGTTAAGAATTGATATGATTAACCTGAATTAATATATGCAA
ACGCGTAAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-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: [NM_212535.3](#)



[View online >](#)

Summary:

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This protein kinase has been reported to be involved in many different cellular functions, such as B cell activation, apoptosis induction, endothelial cell proliferation, and intestinal sugar absorption. Studies in mice also suggest that this kinase may also regulate neuronal functions and correlate fear-induced conflict behavior after stress. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Locus ID:

5579

MW:

20.4