

## Product datasheet for SC212876

### PKC eta (PRKCH) (NM\_006255) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PKC eta (PRKCH) (NM_006255) Human 3' UTR Clone
Symbol:	PKC eta
Synonyms:	nPKC-eta; PKC-L; PKCL; PRKCL
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006255
Insert Size:	1175 bp
Insert Sequence:	>SC212876 3'UTR clone of NM_006255 The sequence shown below is from the reference sequence of NM_006255. 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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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCTATGTGTCTCCAGAATTGCAACCATAGCCTTATGGGGAGTGAGAGAGAGGGCAGGAAACCCAAAG
GGAATAGAGATTCTCCAGGAATTCCTCTATGGGACCTCCAGCATCAGCCTTAGAACAAAGAACCTTA
CCTTCAAGGAGCAAGTGAAGAACTCTGTGAAGGATGGAACCTTTCAGATATCAACTATTTAGAGTCCAGA
GGGAGCCATGGCACTAGAAATAGTTGATAATGAAATGAGATTTTATGAAGTATACCGCTCCACCTATGA
GGTCTGTCTCTGTGGGCTTGGGATGTTAACAGGAGCCAAAAGGAGGGAAAGTGTGAAGAATAAAGTAG
ATCTGAGAAATTCTGAGCCAATCAGGCTTCTTAATTCAAGAGACAAACCAAGACGTTCTGTCAACTGTG
CTGTGCTCTTCTTAAGCCAATGAACCCCAATTCCTGGCAGTCTACAAGAAGTCTCTTAATGCTAATGA
AGAATTTAAAGGTCTTTTAAAGGAAATGAAGGGCTTTCCAAATAGAATGATTTACTCTGAAGAAACAAA
CAATGGTATCTCTGAACTCACAACTAAAGCCCAATCTTGAATAATGTTGTGCACCAAGACGACTGC
TTCAGCTTCTTCTTATCCTTACTTTCTTTAATAGATATTTATTAACCTGTCCAGTGAAGAGGTGCCA
CAATGCCAGTATTGTAACAACAGGTTTGCATTTCATGAAGCTTTCATTCTGGAGTCTACTAATT
TACCTGAATGGTGTGGTCTGTTGCAATCTGTGAAATGCCCTCCAGTTGCATATGTCACACTTTTGTCTGCACA
TAACTCTTTTTTACAAGAAGGGTCACTGCCACAACAGCACAGTCAGCGGTGAATTACAGGTGCCTGC
TGCTGCCTACCTGGGTAACTGATCTGTCTGTATCGCCGTGTGCTCATCACTGAAGAATTGCAGGCC
ACTCATGTCAGTGACCAGATTTGTGGCTTATAAACATTAGCAGTTTATTTATGTTTTAAGATGCAAAGA
TGTGTGTTTGATATTCACTTTAATAATTAGAAATGGATCTTGTAACAGGGCATATATCAAAGATGACC
TTATAATATGTACCCGAATATACAGTTCAAGAATTTTGTCTGACTGGAAATAAATGCATTTTGTAGCAA
AA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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<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>	<a href="#">NM_006255.5</a>
<b>Summary:</b>	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the 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. It is a calcium-independent and phospholipids-dependent protein kinase. It is predominantly expressed in epithelial tissues and has been shown to reside specifically in the cell nucleus. This protein kinase can regulate keratinocyte differentiation by activating the MAP kinase MAPK13 (p38delta)-activated protein kinase cascade that targets CCAAT/enhancer-binding protein alpha (CEBPA). It is also found to mediate the transcription activation of the transglutaminase 1 (TGM1) gene. Mutations in this gene are associated with susceptibility to cerebral infarction. [provided by RefSeq, Sep 2015]
<b>Locus ID:</b>	5583
<b>MW:</b>	44.5