

## Product datasheet for **RC210910L3V**

### PKC theta (PRKCQ) (NM\_006257) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PKC theta (PRKCQ) (NM_006257) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PKC theta
Synonyms:	nPKC-theta; PRKCT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_006257
ORF Size:	2118 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210910).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_006257.2</a>
RefSeq Size:	3273 bp
RefSeq ORF:	2121 bp
Locus ID:	5588
UniProt ID:	<a href="#">Q04759</a>
Cytogenetics:	10p15.1
Domains:	pkinese, S_TK_X, DAG_PE-bind
Protein Families:	Druggable Genome, Protein Kinase, Transcription Factors



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<b>Protein Pathways:</b>	Adipocytokine signaling pathway, T cell receptor signaling pathway, Tight junction, Vascular smooth muscle contraction
<b>MW:</b>	81.7 kDa
<b>Gene Summary:</b>	<p>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. The protein encoded by this gene is one of the PKC family members. It is a calcium-independent and phospholipid-dependent protein kinase. This kinase is important for T-cell activation. It is required for the activation of the transcription factors NF-kappaB and AP-1, and may link the T cell receptor (TCR) signaling complex to the activation of the transcription factors. [provided by RefSeq, Jul 2008]</p>