

## Product datasheet for **RC206813L2V**

### **CAMKIV (CAMK4) (NM\_001744) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	CAMKIV (CAMK4) (NM_001744) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CAMKIV
Synonyms:	caMK; CaMK-GR; CaMK IV; CaMKIV
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001744
ORF Size:	1419 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206813).
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_001744.3</a>
RefSeq Size:	2272 bp
RefSeq ORF:	1422 bp
Locus ID:	814
UniProt ID:	<a href="#">Q16566</a>
Cytogenetics:	5q22.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase



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**Protein Pathways:** Calcium signaling pathway, Long-term potentiation, Neurotrophin signaling pathway

**MW:** 51.9 kDa

**Gene Summary:** The product of this gene belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This enzyme is a multifunctional serine/threonine protein kinase with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells. [provided by RefSeq, Jul 2008]