

## Product datasheet for **RC231408L4V**

### **PDE1C (NM\_001191058) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PDE1C (NM_001191058) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE1C
Synonyms:	cam-PDE 1C; DFNA74; hCam-3; Hcam3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001191058
ORF Size:	2307 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC231408).
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_001191058.1</a> , <a href="#">NP_001177987.1</a>
RefSeq ORF:	2310 bp
Locus ID:	5137
UniProt ID:	<a href="#">Q14123</a>
Cytogenetics:	7p14.3
Protein Families:	Druggable Genome
Protein Pathways:	Calcium signaling pathway, Olfactory transduction, Progesterone-mediated oocyte maturation, Purine metabolism



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**MW:** 87.4 kDa

**Gene Summary:** This gene encodes an enzyme that belongs to the 3'5'-cyclic nucleotide phosphodiesterase family. Members of this family catalyze hydrolysis of the cyclic nucleotides, cyclic adenosine monophosphate and cyclic guanosine monophosphate, to the corresponding nucleoside 5'-monophosphates. The enzyme encoded by this gene regulates proliferation and migration of vascular smooth muscle cells, and neointimal hyperplasia. This enzyme also plays a role in pathological vascular remodeling by regulating the stability of growth factor receptors, such as PDGF-receptor-beta. [provided by RefSeq, Jul 2016]