

## Product datasheet for RC205291L1V

### PDE1C (NM\_005020) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PDE1C (NM_005020) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE1C
Synonyms:	cam-PDE 1C; DFNA74; hCam-3; Hcam3
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_005020
ORF Size:	1902 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205291).
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
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_005020.1</a>
RefSeq Size:	2694 bp
RefSeq ORF:	1905 bp



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<b>Locus ID:</b>	5137
<b>UniProt ID:</b>	<a href="#">Q14123</a>
<b>Cytogenetics:</b>	7p14.3
<b>Domains:</b>	PDEase, HDc
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Calcium signaling pathway, Olfactory transduction, Progesterone-mediated oocyte maturation, Purine metabolism
<b>MW:</b>	72 kDa
<b>Gene Summary:</b>	<p>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]</p>