

## Product datasheet for **RC207219L2V**

### **PDE2A (NM\_002599) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PDE2A (NM_002599) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE2A
Synonyms:	CGS-PDE; cGSPDE; PDE2A1; PED2A4
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002599
ORF Size:	2823 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207219).
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_002599.1</a>
RefSeq Size:	4329 bp
RefSeq ORF:	2826 bp
Locus ID:	5138
UniProt ID:	<a href="#">O00408</a>
Cytogenetics:	11q13.4
Domains:	PDEase, GAF, HDc
Protein Families:	Druggable Genome



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<b>Protein Pathways:</b>	Progesterone-mediated oocyte maturation, Purine metabolism
<b>MW:</b>	105.6 kDa
<b>Gene Summary:</b>	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Plays an important role in growth and invasion of malignant melanoma cells (e.g. pseudomyxoma peritonei (PMP) cell line) (PubMed:24705027).[UniProtKB/Swiss-Prot Function]