

## Product datasheet for **RC214535L1V**

### **PDE5A (NM\_001083) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PDE5A (NM_001083) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE5A
Synonyms:	CGB-PDE; CN5A; PDE5
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001083
ORF Size:	2625 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214535).
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_001083.3</a>
RefSeq Size:	7005 bp
RefSeq ORF:	2628 bp
Locus ID:	8654
UniProt ID:	<a href="#">O76074</a>
Cytogenetics:	4q26
Domains:	PDEase, GAF, HDc
Protein Families:	Druggable Genome



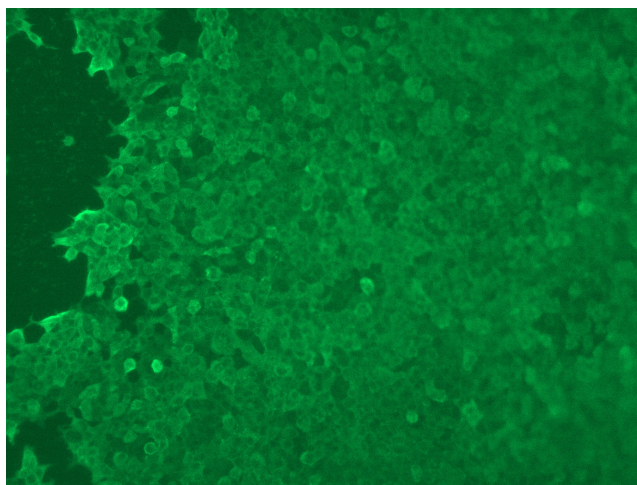
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**Protein Pathways:** Progesterone-mediated oocyte maturation, Purine metabolism

**MW:** 99.8 kDa

**Gene Summary:** This gene encodes a cGMP-binding, cGMP-specific phosphodiesterase, a member of the cyclic nucleotide phosphodiesterase family. This phosphodiesterase specifically hydrolyzes cGMP to 5'-GMP. It is involved in the regulation of intracellular concentrations of cyclic nucleotides and is important for smooth muscle relaxation in the cardiovascular system. Alternative splicing of this gene results in three transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

### Product images:



[RC214535L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC214535L1V particle to overexpress human PDE5A-Myc-DDK fusion protein.