

Product datasheet for **RC219619L4V**

PDE3B (NM_000922) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PDE3B (NM_000922) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE3B
Synonyms:	cGIPDE1; HcGIP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000922
ORF Size:	3336 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219619).
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. More info
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:	NM_000922.2
RefSeq Size:	4784 bp
RefSeq ORF:	3339 bp
Locus ID:	5140
UniProt ID:	Q13370
Cytogenetics:	11p15.2
Domains:	PDEase, HDc
Protein Families:	Druggable Genome, Transmembrane



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Protein Pathways: Insulin signaling pathway, Progesterone-mediated oocyte maturation, Purine metabolism

MW: 124.2 kDa

Gene Summary: Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. May play a role in fat metabolism. Regulates cAMP binding of RAPGEF3. Through simultaneous binding to RAPGEF3 and PIK3R6 assembles a signaling complex in which the PI3K gamma complex is activated by RAPGEF3 and which is involved in angiogenesis.[UniProtKB/Swiss-Prot Function]