

Product datasheet for RC211991L4

OriGene Technologies, Inc.

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PDE11A (NM_001077358) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PDE11A (NM_001077358) Human Tagged Lenti ORF Clone

Tag: mGFP
Symbol: PDE11A

Synonyms: PPNAD2

Mammalian Cell Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Puromycin

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone

Sequence:

The ORF insert of this clone is exactly the same as(RC211991).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001077358

ORF Size: 1725 bp





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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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001077358.1</u>

 RefSeq Size:
 1869 bp

 RefSeq ORF:
 1728 bp

 Locus ID:
 50940

 UniProt ID:
 Q9HCR9

Cytogenetics:

Protein Families: Druggable Genome

2q31.2

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

MW: 65.68 kDa

Gene Summary: The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety

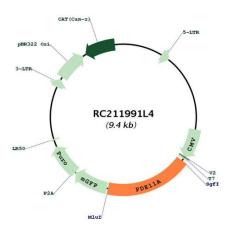
of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a member of the

PDE protein superfamily. Mutations in this gene are a cause of Cushing disease and adrenocortical hyperplasia. Multiple transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC211991L4