

Product datasheet for RC216690L3

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OriGene Technologies, Inc.

PDE9A (NM_002606) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PDE9A (NM_002606) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: PDE9A

Synonyms: HSPDE9A2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

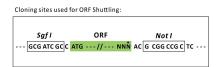
E. coli Selection: Chloramphenicol (34 ug/mL)

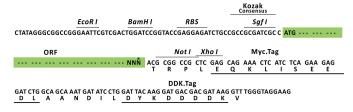
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC216690).

Sequence:

Restriction Sites: Sgfl-Notl

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_002606

ORF Size: 1779 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 002606.2</u>

RefSeq Size:2103 bpRefSeq ORF:1782 bpLocus ID:5152

 UniProt ID:
 O76083

 Cytogenetics:
 21q22.3

Domains: PDEase, HDc

Protein Families: Druggable Genome

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

MW: 68.3 kDa

Gene Summary: The protein encoded by this gene catalyzes the hydrolysis of cAMP and cGMP to their

corresponding monophosphates. The encoded protein plays a role in signal transduction by regulating the intracellular concentration of these cyclic nucleotides. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by

RefSeq, Jul 20081