

Product datasheet for RC216236L3

OriGene Technologies, Inc.

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PDE6 gamma (PDE6G) (NM_002602) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PDE6 gamma (PDE6G) (NM_002602) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: PDE6 gamma

Synonyms: PDEG; RP57

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(RC216236).

Sgfl-Mlul

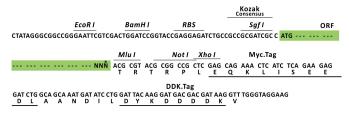
Sequence:

Cloning Scheme:

Restriction Sites:

Cloning sites used for ORF Shuttling:





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

ACCN: NM_002602

ORF Size: 261 bp





PDE6 gamma (PDE6G) (NM_002602) Human Tagged Lenti ORF Clone - RC216236L3

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 002602.1</u>

 RefSeq Size:
 1064 bp

 RefSeq ORF:
 264 bp

 Locus ID:
 5148

 UniProt ID:
 P18545

Cytogenetics: 17q25.3

Protein Families: Druggable Genome

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

MW: 9.6 kDa

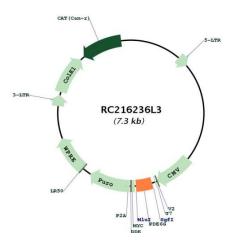
Gene Summary: This gene encodes the gamma subunit of cyclic GMP-phosphodiesterase, which is composed

of alpha- and beta- catalytic subunits and two identical, inhibitory gamma subunits. This gene is expressed in rod photoreceptors and functions in the phototransduction signaling cascade. It is also expressed in a variety of other tissues, and has been shown to regulate the c-Src protein kinase and G-protein-coupled receptor kinase 2. Alternative splicing results in multiple

transcript variants. [provided by RefSeq, Feb 2009]



Product images:



Circular map for RC216236L3