

Product datasheet for RC218147L3

OriGene Technologies, Inc.

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PDE8B (NM_001029853) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PDE8B (NM_001029853) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: PDE8B

Synonyms: ADSD; PPNAD3

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(RC218147).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001029853

ORF Size: 2595 bp





PDE8B (NM_001029853) Human Tagged Lenti ORF Clone - RC218147L3

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 001029853.1</u>

 RefSeq Size:
 3510 bp

 RefSeq ORF:
 2598 bp

 Locus ID:
 8622

 UniProt ID:
 095263

Cytogenetics: 5q13.3

Protein Families: Druggable Genome

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

MW: 96.6 kDa

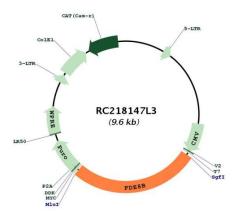
Gene Summary: The protein encoded by this gene is a cyclic nucleotide phosphodiesterase (PDE) that

catalyzes the hydrolysis of the second messenger cAMP. The encoded protein, which does not hydrolyze cGMP, is resistant to several PDE inhibitors. Defects in this gene are a cause of autosomal dominant striatal degeneration (ADSD). Several transcript variants encoding

different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]



Product images:



Circular map for RC218147L3