

Product datasheet for RC218375L3V

OriGene Technologies, Inc.

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PDE4 (PDE4B) (NM 001037340) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: PDE4 (PDE4B) (NM_001037340) Human Tagged ORF Clone Lentiviral Particle

Symbol: PDE4

Synonyms: DPDE4; PDEIVB

Mammalian Cell

Selection:

Puromycin

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

Tag: Myc-DDK

ACCN: NM_001037340

ORF Size: 2163 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC218375).

Sequence:

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.

RefSeg: NM 001037340.1

 RefSeq Size:
 4273 bp

 RefSeq ORF:
 2166 bp

 Locus ID:
 5142

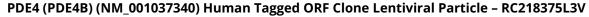
 UniProt ID:
 Q07343

Cytogenetics: 1p31.3

Protein Families: Druggable Genome

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism





MW: 81.9 kDa

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Gene Summary: This gene is a member of the type IV, cyclic AMP (cAMP)-specific, cyclic nucleotide

phosphodiesterase (PDE) family. The encoded protein regulates the cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction. Altered activity of this protein has been associated with schizophrenia and bipolar affective disorder. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding

different isoforms. [provided by RefSeq, Jul 2014]