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Product datasheet for RC211956L3V

PDE4 (PDE4B) (NM_002600) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PDE4 (PDE4B) (NM_002600) 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_002600
ORF Size:	2208 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211956).
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.
RefSeq:	NM_002600.3
RefSeq Size:	4264 bp
RefSeq ORF:	2211 bp
Locus ID:	5142
UniProt ID:	Q07343
Cytogenetics:	1p31.3
Domains:	PDEase
Protein Families:	Druggable Genome

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Protein Pathways:	Progesterone-mediated oocyte maturation, Purine metabolism
MW:	83.2 kDa
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]