

## OriGene Technologies, Inc.

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## Product datasheet for RC228422L3V

## PDE1B (NM\_001165975) Human Tagged ORF Clone Lentiviral Particle

## **Product data:**

Product Name:PDE1B (NM_001165975) Human Tagged ORF Clone Lentiviral ParticleSymbol:PDE1BSymbonyms:HEL-S-79p; PDE1B1; PDES1BMammalian CellPuromycinVector:plenti-C-Myc-DDK-P2A-Puro (PS100092)Tag:Myc-DDKACCN:NM_001165975ORF Size:1548 bpORF NucleotideThe oRF insert of this clone is exactly the same as(RC228422).Sequence:The molecular sequence of this clone aligns with the gene accession number as a point of network with its over variants is commended prior to use. More infoOTI Disclaimer:Nic one was engineered to express the complete ORF with an expression tag. Expression variants is recommended prior to use. More infoRefseqM. M0011659751Refseq ORF:1551 bpLocus ID:031054Lorus ID:031054Cytogenetics:031054Cytogenetics:031054Kertseq ORF:031054Minicoli Bis up a commended prior to use. More infoNurie:031054Kertseq ORF:031054Locus ID:031054Kertseq ORF:031054Kertseq ORF:031054Locus ID:031054Kertseq ORF:031054Kertseq ORF:	Product Type:	Lentiviral Particles
Synonyms:HEL-S-79p; PDE1B1; PDES1BSynonyms:HEL-S-79p; PDE1B1; PDES1BMammalian Cell Selection:PuromycinVector:pLenti-C-Myc-DDK-P2A-Puro (PS100092)Tag:Myc-DDKACCN:NM_001165975ORF Size:1548 bpORF Nucleotide Sequence:The ORF insert of this clone is exactly the same as(RC228422).Sequence:The nolecular 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 infoOTI 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 001165975.1RefSeq ORF:1513Locus ID:501064Locus ID:001064Lytopenetics:12q13.2Protein Families:Druggable GenomeProtein Pathway:Calcum signaling pathway, Progesterone-mediated oocyte maturation, Purine metabolism	Product Name:	PDE1B (NM_001165975) Human Tagged ORF Clone Lentiviral Particle
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Protein Families:Druggable GenomeProtein Pathways:Calcium signaling pathway, Progesterone-mediated oocyte maturation, Purine metabolism	UniProt ID:	<u>Q01064</u>
Protein Pathways: Calcium signaling pathway, Progesterone-mediated oocyte maturation, Purine metabolism	Cytogenetics:	12q13.2
	Protein Families:	Druggable Genome
<b>MW:</b> 58.9 kDa	Protein Pathways:	Calcium signaling pathway, Progesterone-mediated oocyte maturation, Purine metabolism
	MW:	58.9 kDa



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Gene Summary: The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE1 subfamily. Members of the PDE1 family are calmodulin-dependent PDEs that are stimulated by a calcium-calmodulin complex. This PDE has dual-specificity for the second messengers, cAMP and cGMP, with a preference for cGMP as a substrate. cAMP and cGMP function as key regulators of many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2011]

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