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Product datasheet for RC209169L3V

PDE8A (NM_002605) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PDE8A (NM_002605) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE8A
Synonyms:	HsT19550
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002605
ORF Size:	2487 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209169).
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_002605.2
RefSeq Size:	3931 bp
RefSeq ORF:	2490 bp
Locus ID:	5151
UniProt ID:	O60658
Cytogenetics:	15q25.3
Domains:	PDEase
Protein Families:	Druggable Genome

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Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

MW: 93.2 kDa

Gene Summary: The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE8 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration of cAMP, this protein plays a key role in many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2011]