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Product datasheet for RC210416L2V

PDE7B (NM_018945) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PDE7B (NM_018945) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE7B
Synonyms:	bA472E5.1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_018945
ORF Size:	1353 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC210416).`
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_018945.3
RefSeq Size:	5385 bp
RefSeq ORF:	1353 bp
Locus ID:	27115
UniProt ID:	Q9NP56
Cytogenetics:	6q23.3
Domains:	PDEase, HDc
Protein Families:	Druggable Genome

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Protein Pathways:	Progesterone-mediated oocyte maturation, Purine metabolism
MW:	51.8 kDa
Gene Summary:	The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a cAMP-specific phosphodiesterase, a member of the cyclic nucleotide phosphodiesterase family.[provided by RefSeq, Apr 2009]