

## Product datasheet for **RC211181L3V**

### **PDE10A (NM\_006661) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PDE10A (NM_006661) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDE10A
Synonyms:	ADSD2; HSPDE10A; IOLOD; LINC00473; PDE10A19
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_006661
ORF Size:	2337 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211181).
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. <a href="#">More info</a>
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:	<a href="#">NM_006661.1</a>
RefSeq Size:	4576 bp
RefSeq ORF:	2340 bp
Locus ID:	10846
UniProt ID:	<a href="#">Q9Y233</a>
Cytogenetics:	6q27
Domains:	PDEase, GAF
Protein Families:	Druggable Genome



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**Protein Pathways:** Progesterone-mediated oocyte maturation, Purine metabolism

**MW:** 88.2 kDa

**Gene Summary:** The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase family. It plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This protein can hydrolyze both cAMP and cGMP to the corresponding nucleoside 5' monophosphate, but has higher affinity for cAMP, and is more efficient with cAMP as substrate. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Dec 2011]