

## Product datasheet for **RC221867L4V**

### **NANOS3 (NM\_001098622) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	NANOS3 (NM_001098622) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NANOS3
Synonyms:	NANOS1L; NOS3; ZC2HC12C
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001098622
ORF Size:	576 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221867).
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_001098622.1</a> , <a href="#">NP_001092092.1</a>
RefSeq Size:	946 bp
RefSeq ORF:	579 bp
Locus ID:	342977
UniProt ID:	<a href="#">P60323</a>
Cytogenetics:	19p13.12
MW:	20.5 kDa



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**Gene Summary:**

Plays a role in the maintenance of the undifferentiated state of germ cells regulating the spermatogonia cell cycle and inducing a prolonged transit in G1 phase. Affects cell proliferation probably by repressing translation of specific mRNAs. Maintains the germ cell lineage by suppressing both Bax-dependent and -independent apoptotic pathways. Essential in the early stage embryo to protect the migrating primordial germ cells (PGCs) from apoptosis.[UniProtKB/Swiss-Prot Function]