

## Product datasheet for **RC207606L4V**

### SET (NM\_003011) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SET (NM_003011) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SET
Synonyms:	2PP2A; I2PP2A; IGAAD; IPP2A2; MRD58; PHAPII; TAF-I; TAF-IBETA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003011
ORF Size:	831 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207606).
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_003011.1</a>
RefSeq Size:	2936 bp
RefSeq ORF:	834 bp
Locus ID:	6418
UniProt ID:	<a href="#">Q01105</a>
Cytogenetics:	9q34.11
Domains:	NAP
Protein Families:	Druggable Genome, Phosphatase, Stem cell - Pluripotency



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**MW:** 32.1 kDa

**Gene Summary:** The protein encoded by this gene inhibits acetylation of nucleosomes, especially histone H4, by histone acetylases (HAT). This inhibition is most likely accomplished by masking histone lysines from being acetylated, and the consequence is to silence HAT-dependent transcription. The encoded protein is part of a complex localized to the endoplasmic reticulum but is found in the nucleus and inhibits apoptosis following attack by cytotoxic T lymphocytes. This protein can also enhance DNA replication of the adenovirus genome. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]