

## Product datasheet for **RC222337L4V**

### APRT (NM\_001030018) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	APRT (NM_001030018) Human Tagged ORF Clone Lentiviral Particle
Symbol:	APRT
Synonyms:	AMP; APRTD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001030018
ORF Size:	402 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222337).
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_001030018.1</a>
RefSeq Size:	673 bp
RefSeq ORF:	405 bp
Locus ID:	353
UniProt ID:	<a href="#">P07741</a>
Cytogenetics:	16q24.3
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism



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**MW:** 14.4 kDa

**Gene Summary:** Adenine phosphoribosyltransferase belongs to the purine/pyrimidine phosphoribosyltransferase family. A conserved feature of this gene is the distribution of CpG dinucleotides. This enzyme catalyzes the formation of AMP and inorganic pyrophosphate from adenine and 5-phosphoribosyl-1-pyrophosphate (PRPP). It also produces adenine as a by-product of the polyamine biosynthesis pathway. A homozygous deficiency in this enzyme causes 2,8-dihydroxyadenine urolithiasis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]