

## Product datasheet for **RC209566L2V**

### DNA Primase (PRIM2) (NM\_000947) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	DNA Primase (PRIM2) (NM_000947) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DNA Primase
Synonyms:	p58; PRIM2A
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000947
ORF Size:	1527 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209566).
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_000947.2</a>
RefSeq Size:	2322 bp
RefSeq ORF:	1530 bp
Locus ID:	5558
UniProt ID:	<a href="#">P49643</a>
Cytogenetics:	6p11.2
Domains:	DNA_primase_lrg
Protein Pathways:	DNA replication, Metabolic pathways, Purine metabolism, Pyrimidine metabolism



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**MW:** 58.8 kDa

**Gene Summary:** This gene encodes the 58 kilodalton subunit of DNA primase, an enzyme that plays a key role in the replication of DNA. The encoded protein forms a heterodimer with a 49 kilodalton subunit. This heterodimer functions as a DNA-directed RNA polymerase to synthesize small RNA primers that are used to create Okazaki fragments on the lagging strand of the DNA. Alternative splicing of this gene results in multiple transcript variants. This gene has a related pseudogene, which is also present on chromosome 6. [provided by RefSeq, Apr 2014]