

## Product datasheet for **RC219806L2V**

### **POLK (NM\_016218) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	POLK (NM_016218) Human Tagged ORF Clone Lentiviral Particle
Symbol:	POLK
Synonyms:	DINB1; DINP; POLQ
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_016218
ORF Size:	2610 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219806).
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_016218.1</a>
RefSeq Size:	4074 bp
RefSeq ORF:	2613 bp
Locus ID:	51426
UniProt ID:	<a href="#">Q9UBT6</a>
Cytogenetics:	5q13.3
Domains:	IMS, ZnF_Rad18
Protein Families:	Druggable Genome



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**MW:** 98.6 kDa

**Gene Summary:** This gene encodes a member of the DNA polymerase type-Y family of proteins. The encoded protein is a specialized DNA polymerase that catalyzes translesion DNA synthesis, which allows DNA replication in the presence of DNA lesions. Human cell lines lacking a functional copy of this gene exhibit impaired genome integrity and enhanced susceptibility to oxidative damage. Mutations in this gene that impair enzyme activity may be associated with prostate cancer in human patients. [provided by RefSeq, Sep 2016]