

## Product datasheet for **RC218547L4V**

### DOT1L (NM\_032482) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	DOT1L (NM_032482) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DOT1L
Synonyms:	DOT1; KMT4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_032482
ORF Size:	4611 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218547).
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_032482.1</a>
RefSeq Size:	4889 bp
RefSeq ORF:	4614 bp
Locus ID:	84444
UniProt ID:	<a href="#">Q8TEK3</a>
Cytogenetics:	19p13.3
Domains:	AT_hook
Protein Families:	Druggable Genome



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**Protein Pathways:** Lysine degradation

**MW:** 164.7 kDa

**Gene Summary:** The protein encoded by this gene is a histone methyltransferase that methylates lysine-79 of histone H3. It is inactive against free core histones, but shows significant histone methyltransferase activity against nucleosomes. [provided by RefSeq, Aug 2011]