

## Product datasheet for **RC214026L1V**

### PRDM16 (NM\_022114) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

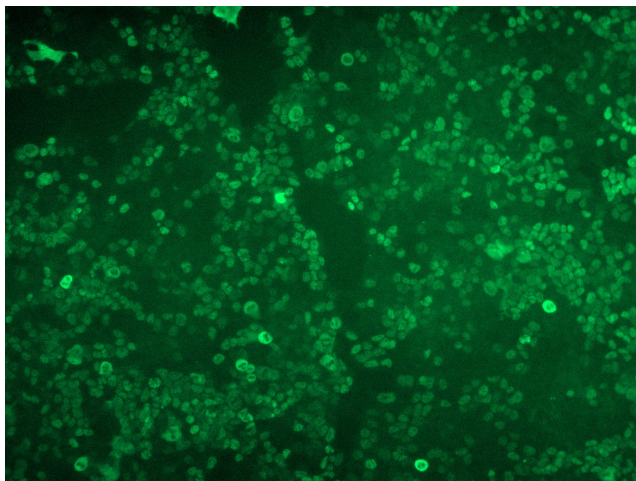
Product Type:	Lentiviral Particles
Product Name:	PRDM16 (NM_022114) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PRDM16
Synonyms:	CMD1LL; KMT8F; LVNC8; MEL1; PFM13
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_022114
ORF Size:	3828 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214026).
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_022114.2</a>
RefSeq Size:	8726 bp
RefSeq ORF:	3831 bp
Locus ID:	63976
UniProt ID:	<a href="#">Q9HAZ2</a>
Cytogenetics:	1p36.32
MW:	140.1 kDa



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**Gene Summary:**

The reciprocal translocation t(1;3)(p36;q21) occurs in a subset of myelodysplastic syndrome (MDS) and acute myeloid leukemia (AML). This gene is located near the 1p36.3 breakpoint and has been shown to be specifically expressed in the t(1;3)(p36;q21)-positive MDS/AML. The protein encoded by this gene is a zinc finger transcription factor and contains an N-terminal PR domain. The translocation results in the overexpression of a truncated version of this protein that lacks the PR domain, which may play an important role in the pathogenesis of MDS and AML. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

**Product images:**

[RC214026L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC214026L1V particle to overexpress human PRDM16-Myc-DDK fusion protein.