

Product datasheet for **RR204955L4V**

Prdm9 (NM_001108903) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Prdm9 (NM_001108903) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Prdm9
Synonyms:	Prdm7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001108903
ORF Size:	2388 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR204955).
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. More info
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:	NM_001108903.2 , NP_001102373.2
RefSeq Size:	2688 bp
RefSeq ORF:	2391 bp
Locus ID:	365155
UniProt ID:	P0C6Y7
Cytogenetics:	1q12



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Gene Summary:

Histone methyltransferase that specifically trimethylates 'Lys-4' of histone H3 during meiotic prophase and is essential for proper meiotic progression. Does not have the ability to mono- and dimethylate 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. Plays a central role in the transcriptional activation of genes during early meiotic prophase (By similarity).[UniProtKB/Swiss-Prot Function]