

## Product datasheet for **RC222608L1V**

### PRDM8 (NM\_001099403) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PRDM8 (NM_001099403) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PRDM8
Synonyms:	EPM10; KMT8D; PFM5
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001099403
ORF Size:	2067 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222608).
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_001099403.1</a>
RefSeq Size:	3150 bp
RefSeq ORF:	2070 bp
Locus ID:	56978
UniProt ID:	<a href="#">Q9NQV8</a>
Cytogenetics:	4q21.21
Protein Families:	Druggable Genome, Transcription Factors
MW:	71.7 kDa



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**Gene Summary:**

This gene encodes a protein that belongs to a conserved family of histone methyltransferases that predominantly act as negative regulators of transcription. The encoded protein contains an N-terminal Su(var)3-9, Enhancer-of-zeste, and Trithorax (SET) domain and a double zinc-finger domain. Knockout of this gene in mouse results in mistargeting by neurons of the dorsal telencephalon, abnormal itch-like behavior, and impaired differentiation of rod bipolar cells. In humans, the protein has been shown to interact with the phosphatase laforin and the ubiquitin ligase malin, which regulate glycogen construction in the cytoplasm. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]