

## Product datasheet for **RR205798L4V**

### **Kmt5c (NM\_001107475) Rat Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Kmt5c (NM_001107475) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Kmt5c
Synonyms:	Suv420h2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001107475
ORF Size:	1410 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR205798).
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_001107475.1</a> , <a href="#">NP_001100945.1</a>
RefSeq Size:	2411 bp
RefSeq ORF:	1413 bp
Locus ID:	308345
UniProt ID:	<a href="#">P0C2N6</a>
Cytogenetics:	1q12



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**Gene Summary:**

Histone methyltransferase that specifically trimethylates 'Lys-20' of histone H4. H4 'Lys-20' trimethylation represents a specific tag for epigenetic transcriptional repression. Mainly functions in pericentric heterochromatin regions, thereby playing a central role in the establishment of constitutive heterochromatin in these regions. KMT5B is targeted to histone H3 via its interaction with RB1 family proteins (RB1, RBL1 and RBL2).[UniProtKB/Swiss-Prot Function]