

## Product datasheet for **RC224625L2V**

### **EHMT2/G9A (EHMT2) (NM\_006709) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	EHMT2/G9A (EHMT2) (NM_006709) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EHMT2/G9A
Synonyms:	BAT8; C6orf30; G9A; GAT8; KMT1C; NG36
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_006709
ORF Size:	3630 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224625).
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_006709.2</a>
RefSeq Size:	3994 bp
RefSeq ORF:	3633 bp
Locus ID:	10919
UniProt ID:	<a href="#">Q96KQ7</a>
Cytogenetics:	6p21.33
Domains:	SET, ANK, PreSET, Pre-SET
Protein Families:	Druggable Genome



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**Protein Pathways:** Lysine degradation

**MW:** 132.2 kDa

**Gene Summary:** This gene encodes a methyltransferase that methylates lysine residues of histone H3. Methylation of H3 at lysine 9 by this protein results in recruitment of additional epigenetic regulators and repression of transcription. This gene was initially thought to be two different genes, NG36 and G9a, adjacent to each other in the HLA locus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]