

## Product datasheet for **KN219200BN**

### **EHMT2/G9A (EHMT2) Human Gene Knockout Kit (CRISPR)**

#### **Product data:**

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
<b>Donor DNA:</b>	mBFP-Neo
<b>Symbol:</b>	EHMT2/G9A
<b>Locus ID:</b>	10919
<b>Components:</b>	<b>KN219200G1</b> , EHMT2/G9A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN219200G2</b> , EHMT2/G9A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN219200BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
<b>Disclaimer:</b>	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
<b>RefSeq:</b>	<a href="#">NM_001289413</a> , <a href="#">NM_001318833</a> , <a href="#">NM_006709</a> , <a href="#">NM_025256</a> , <a href="#">NM_001363689</a>
<b>UniProt ID:</b>	<a href="#">Q96KQ7</a>
<b>Synonyms:</b>	BAT8; C6orf30; G9A; GAT8; KMT1C; NG36
<b>Summary:</b>	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]



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## Product images:

