

Product datasheet for **KN219200**

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

Product data:

Product Type: Knockout Kits (CRISPR)
Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA: GFP-puro
Symbol: EHMT2/G9A
Locus ID: 10919
Components: **KN219200G1**, EHMT2/G9A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCTCCCCTTCCGCACCTCGG
KN219200G2, EHMT2/G9A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AATGCTCCGGGGGTGCAACG
KN219200D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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 TGGGGGATCA TGTAACCTCGC CTT

GE100003, scramble sequence in pCas-Guide vector

Disclaimer:

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.

RefSeq:

[NM_001289413](#), [NM_001318833](#), [NM_006709](#), [NM_025256](#), [NM_001363689](#)

UniProt ID:

[Q96KQ7](#)

Synonyms:

BAT8; C6orf30; G9A; GAT8; KMT1C; NG36

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]

Product images:

