

Product datasheet for **KN217483**

PRMT4 (CARM1) 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: PRMT4
Locus ID: 10498
Components: **KN217483G1**, PRMT4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AACACCGACACGGTAGCGCA
KN217483G2, PRMT4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCGGCGGTCCCCGGGCGGCGC
KN217483D, 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 TGTAACCTCG 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_199141](#), [NM_001370088](#), [NM_001370089](#)

UniProt ID:

[Q86X55](#)

Synonyms:

PRMT4

Summary:

This gene belongs to the protein arginine methyltransferase (PRMT) family. The encoded enzyme catalyzes the methylation of guanidino nitrogens of arginyl residues of proteins. The enzyme acts specifically on histones and other chromatin-associated proteins and is involved in regulation of gene expression. The enzyme may act in association with other proteins or within multi-protein complexes and may play a role in cell type-specific functions and cell lineage specification. A related pseudogene is located on chromosome 9. [provided by RefSeq, Aug 2013]

Product images:

