

Product datasheet for **KN203458**

PRMT5 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:	PRMT5
Locus ID:	10419
Components:	<p>KN203458G1, PRMT5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTATTTCTGGGGACGCAATTC</p> <p>KN203458G2, PRMT5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGAAATAGCTGACACACTAG</p> <p>KN203458D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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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AGAAGTAAGT TGGCCGCAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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_001039619](#), [NM_001282953](#), [NM_001282954](#), [NM_001282955](#), [NM_001282956](#), [NM_006109](#)

UniProt ID:

[O14744](#)

Synonyms:

HRMT1L5; IBP72; JBP1; SKB1; SKB1Hs

Summary:

This gene encodes an enzyme that belongs to the methyltransferase family. The encoded protein catalyzes the transfer of methyl groups to the amino acid arginine, in target proteins that include histones, transcriptional elongation factors and the tumor suppressor p53. This gene plays a role in several cellular processes, including transcriptional regulation, and the assembly of small nuclear ribonucleoproteins. A pseudogene of this gene has been defined on chromosome 4. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]

Product images:

