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Product datasheet for KN208363BN

Dnmt2 (TRDMT1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Dnmt2
Locus ID:	1787
Components:	**KN208363G1**, Dnmt2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN208363G2**, Dnmt2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN208363BND**, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. **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_004412, NM_176081, NM_176083, NM_176084, NM_176085, NM_176086, NM_001321006, NM_001321007, NM_001351219, NM_001351220, NM_001351221, NM_001351222, NM_001351223
UniProt ID:	O14717
Synonyms:	DMNT2; DNMT2; MHSAIIP; PUMET; RNMT1
Summary:	This gene encodes a protein responsible for the methylation of aspartic acid transfer RNA, specifically at the cytosine-38 residue in the anticodon loop. This enzyme also possesses residual DNA-(cytosine-C5) methyltransferase activity. While similar in sequence and structure to DNA cytosine methyltransferases, this gene is distinct and highly conserved in its function among taxa. [provided by RefSeq, Jun 2010]

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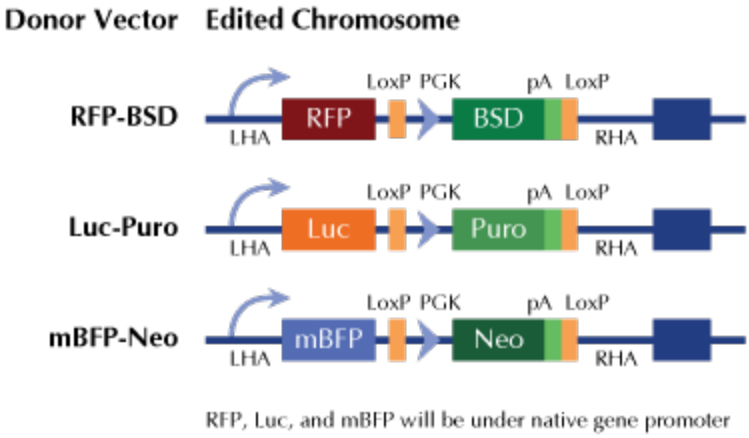
Product images:



RFP, Luc, and mBFP will be under native gene promoter

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