

## Product datasheet for **KN309965**

### Meis1 Mouse 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:** Meis1  
**Locus ID:** 17268  
**Components:** **KN309965G1**, Meis1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGTGAGATTAATGAAACG  
**KN309965G2**, Meis1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTACGTATTAAGCAATTG  
**KN309965D**, 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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 GGGGATCATG TAACTCGCCT T

**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\\_001193271](#), [NM\\_010789](#)

**UniProt ID:**

[Q60954](#)

**Synonyms:**

C530044H18Rik; Evi8

**Summary:**

Acts as a transcriptional regulator of PAX6. Also acts as a transcriptional activator of PF4 in complex with PBX1 or PBX2. Required for hematopoiesis, megakaryocyte lineage development and vascular patterning. May function as a cofactor for HOXA7 and HOXA9 in the induction of myeloid leukemias.[UniProtKB/Swiss-Prot Function]

Product images:

