

## Product datasheet for **KN205338**

### MAGEB2 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:** MAGEB2  
**Locus ID:** 4113  
**Components:** **KN205338G1**, MAGEB2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAGGCCCGAGATGAGACCCG  
**KN205338G2**, MAGEB2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGGCCTTGCGGCGTTTCTCA  
**KN205338D**, 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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**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\\_002364](#)

**UniProt ID:**

[O15479](#)

**Synonyms:**

CT3.2; DAM6; MAGE-XP-2

**Summary:**

This gene is a member of the MAGEB gene family. The members of this family have their entire coding sequences located in the last exon, and the encoded proteins show 50 to 68% sequence identity to each other. The promoters and first exons of the MAGEB genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. This gene is localized in the DSS (dosage-sensitive sex reversal) critical region. It is expressed in testis and placenta, and in a significant fraction of tumors of various histological types. The MAGEB genes are clustered on chromosome Xp22-p21. [provided by RefSeq, Jul 2008]

Product images:

