

## Product datasheet for **KN309822**

### Matr3 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:** Matr3  
**Locus ID:** 17184  
**Components:** **KN309822G1**, Matr3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATCTCTCGGTAGGGATTAC  
**KN309822G2**, Matr3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCCTACCGAGAGATGACTGC  
**KN309822D**, 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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 ACAGGCATCG TGGTGTACG CTCGCTGTTT GGTATGGCTT CATTACGCTC CGTTCCCAA CGATC

**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\\_010771](#)

**UniProt ID:**

[Q8K310](#)

**Synonyms:**

1110061A14Rik; 2810017102Rik; AI841759; AW555618; D030046F20Rik; mKIAA0723

**Summary:**

May play a role in transcription or may interact with other nuclear matrix proteins to form the internal fibrogranular network. In association with the SFPQ-NONO heteromer may play a role in nuclear retention of defective RNAs (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

