

Product datasheet for **KN201003**

MSI2 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: MSI2
Locus ID: 124540
Components: **KN201003G1**, MSI2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAACCTTACCCGGGGTCTGTC
KN201003G2, MSI2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AACGACTCCCAGCACGACCC
KN201003D, 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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 ATGGGGGATC ATGTAACCTG CCTT

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_001322250](#), [NM_001322251](#), [NM_138962](#), [NM_170721](#)

UniProt ID:

[Q96DH6](#)

Synonyms:

MSI2H

Summary:

This gene encodes an RNA-binding protein that is a member of the Musashi protein family. The encoded protein is transcriptional regulator that targets genes involved in development and cell cycle regulation. Mutations in this gene are associated with poor prognosis in certain types of cancers. This gene has also been shown to be rearranged in certain cancer cells. [provided by RefSeq, Apr 2016]

Product images:

