

### Product datasheet for KN201003BN

MSI2 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: MSI2

**Locus ID:** 124540

**Components: KN201003G1**, MSI2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN201003G2**, MSI2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN201003BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001322250, NM 001322251, NM 138962, NM 170721</u>

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]



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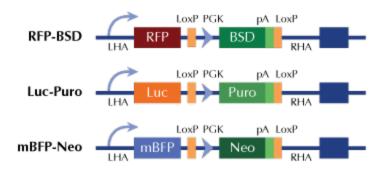
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## **Product images:**

#### Donor Vector Edited Chromosome



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