

### Product datasheet for KN209818RB

# MSC Human Gene Knockout Kit (CRISPR)

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

**Donor DNA:** 

MSC Symbol:

9242 Locus ID:

**KN209818G1**, MSC gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN209818G2, MSC gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209818RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

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 005098

UniProt ID: 060682

Synonyms: ABF-1; ABF1; bHLHa22; MYOR

Summary: The protein encoded by this gene is a transcriptional repressor capable of binding an E-box

element either as a homodimer or as a heterodimer with E2A in vitro. The encoded protein also forms heterodimers with E2A proteins in vivo. This protein is capable of inhibiting the

transactivation capability of E47, an E2A protein, in mammalian cells. This gene is a

downstream target of the B-cell receptor signal transduction pathway. [provided by RefSeq,

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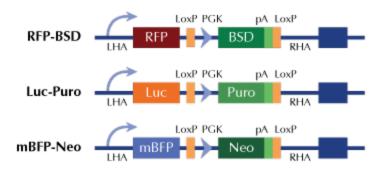
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# **Product images:**

#### Donor Vector Edited Chromosome



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