

## Product datasheet for KN217652BN

## rioduct datasileet for kinz 17052bit

## **CARD10 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: CARD10 Locus ID: 29775

**Components: KN217652G1**, CARD10 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN217652G2**, CARD10 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN217652BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 014550

 UniProt ID:
 Q9BWT7

Synonyms: BIMP1; CARMA3

**Summary:** The caspase recruitment domain (CARD) is a protein module that consists of 6 or 7

antiparallel alpha helices. It participates in apoptosis signaling through highly specific protein-protein homophilic interactions. Like several other CARD proteins, CARD10 belongs to the membrane-associated guanylate kinase (MAGUK) family and activates NF-kappa-B (NFKB; see MIM 164011) through BCL10 (MIM 603517) (Wang et al., 2001 [PubMed 11259443]).[supplied

by OMIM, Mar 2008]



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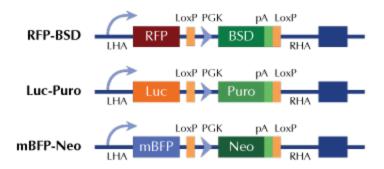
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# **Product images:**

### Donor Vector Edited Chromosome



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