

Product datasheet for KN222740RB

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CARD11 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: RFP-BSD Symbol: CARD11 Locus ID: 84433

Components: KN222740G1, CARD11 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN222740G2, CARD11 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN222740RBD, 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: <u>NM 001324281</u>, <u>NM 032415</u>

UniProt ID: Q9BXL7

Synonyms: BENTA; BIMP3; CARMA1; IMD11; PPBL

Summary: The protein encoded by this gene belongs to the membrane-associated guanylate kinase

(MAGUK) family, a class of proteins that functions as molecular scaffolds for the assembly of multiprotein complexes at specialized regions of the plasma membrane. This protein is also a member of the CARD protein family, which is defined by carrying a characteristic caspase-associated recruitment domain (CARD). This protein has a domain structure similar to that of CARD14 protein. The CARD domains of both proteins have been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF-kappaB activation. When expressed in cells, this protein activated NF-kappaB and induced

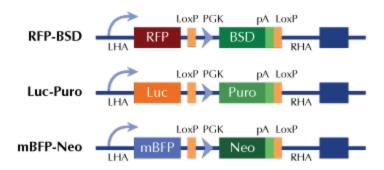
the phosphorylation of BCL10. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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