

Product datasheet for KN200634BN

BAD 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: BAD Locus ID: 572

Components: KN200634G1, BAD gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN200634G2, BAD gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200634BND, 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: <u>NM 004322</u>, <u>NM 032989</u>

UniProt ID: Q92934

Synonyms: BBC2; BCL2L8

Summary: The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are

known to be regulators of programmed cell death. This protein positively regulates cell apoptosis by forming heterodimers with BCL-xL (B-cell lymphoma-extra large) and BCL-2, and reversing their death repressor activity. Proapoptotic activity of this protein is regulated through its phosphorylation. Protein kinases AKT and MAP kinase, as well as protein phosphatase calcineurin were found to be involved in the regulation of this protein. Alternative splicing of this gene results in two transcript variants which encode the same

isoform. [provided by RefSeq, Dec 2019]



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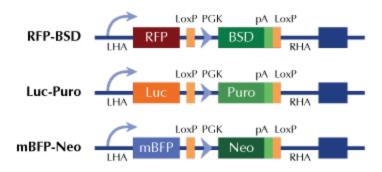
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Product images:

Donor Vector Edited Chromosome



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