

## Product datasheet for KN200065BN

# **EIF2AK1 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 EIF2AK1 Symbol: Locus ID: 27102

KN200065G1, EIF2AK1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN200065G2, EIF2AK1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200065BND, 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 001134335, NM 014413

**UniProt ID:** Q9BQI3 Synonyms: HCR; HRI

Summary: The protein encoded by this gene acts at the level of translation initiation to downregulate

protein synthesis in response to stress. The encoded protein is a kinase that can be

inactivated by hemin. Two transcript variants encoding different isoforms have been found

for this gene. [provided by RefSeq, Aug 2008]



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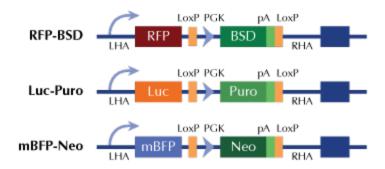
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# **Product images:**

### Donor Vector Edited Chromosome



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