

## **Product datasheet for KN215074BN**

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# Amylin (IAPP) 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: Amylin

**Locus ID:** 3375

**Components:** KN215074G1, Amylin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN215074G2, Amylin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN215074BND, 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 000415</u>, <u>NM 001329201</u>

 UniProt ID:
 P10997

 Synonyms:
 DAP; IAP

**Summary:** This gene encodes a member of the calcitonin family of peptide hormones. This hormone is

released from pancreatic beta cells following food intake to regulate blood glucose levels and act as a satiation signal. Human patients with type 1 and advanced type 2 diabetes exhibit reduced levels of the encoded hormone in blood and pancreas. This protein also exhibits a

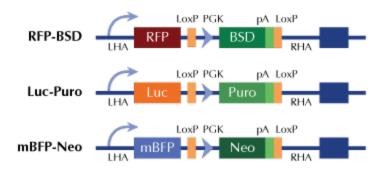
bactericidal, antimicrobial activity. [provided by RefSeq, Jul 2016]





## **Product images:**

### Donor Vector Edited Chromosome



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