

## **Product datasheet for KN210707RB**

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### **Visfatin (NAMPT) 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-BSDSymbol:VisfatinLocus ID:10135

**Components: KN210707G1**, Visfatin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN210707G2, Visfatin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN210707RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 005746</u>, <u>NM 182790</u>

UniProt ID: P43490

Synonyms: 1110035O14Rik; PBEF; PBEF1; VF; VISFATIN

Summary: This gene encodes a protein that catalyzes the condensation of nicotinamide with 5-

phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, one step in the biosynthesis of nicotinamide adenine dinucleotide. The protein belongs to the nicotinic acid

phosphoribosyltransferase (NAPRTase) family and is thought to be involved in many

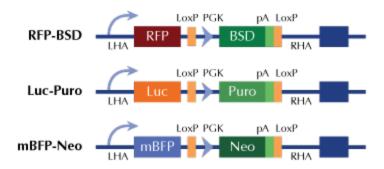
important biological processes, including metabolism, stress response and aging. This gene

has a pseudogene on chromosome 10. [provided by RefSeq, Feb 2011]



## **Product images:**

#### Donor Vector Edited Chromosome



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