

Product datasheet for **KN210707**

Visfatin (NAMPT) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)
Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA: GFP-puro
Symbol: Visfatin
Locus ID: 10135
Components: **KN210707G1**, Visfatin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCCCCGAGCTTTACCTTGT
KN210707G2, Visfatin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTGAACTCGGCTTCTGCCGC
KN210707D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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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_005746](#), [NM_182790](#)

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:

