

## Product datasheet for **KN209577BN**

### PNPLA3 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:** PNPLA3  
**Locus ID:** 80339  
**Components:** **KN209577G1**, PNPLA3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)  
**KN209577G2**, PNPLA3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)  
**KN209577BND**, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.

Homologous arm and mBFP-Neo sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **mBFP-Neo in green**; **Right arm in violet**

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 GGCATCGTG TGTCACGCTC GTCGTTTGGT ATGGCTTCAT TCAGCTCCGG TTCCAACGA TC

**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\\_025225](#)

**UniProt ID:**

[Q9NST1](#)

**Synonyms:**

ADPN; C22orf20; iPLA(2)epsilon

**Summary:**

The protein encoded by this gene is a triacylglycerol lipase that mediates triacylglycerol hydrolysis in adipocytes. The encoded protein, which appears to be membrane bound, may be involved in the balance of energy usage/storage in adipocytes. [provided by RefSeq, Jul 2008]

## Product images:

