

# Product datasheet for KN311056LP

# NIrp6 Mouse Gene Knockout Kit (CRISPR)

### **Product data:**

**Product Type:** Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Nlrp6 Symbol: Locus ID: 101613

**KN311056G1**, Nlrp6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN311056G2, Nlrp6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN311056LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 001081389, NM 133946

**UniProt ID:** Q91WS2

Synonyms: Al504961; Nalp6; Navr/Avr; Pypaf5

Summary: The protein encoded by this gene binds arginine-vasopressin and may be involved in the

arginine-vasopressin-mediated regulation of renal salt-water balance. The encoded protein

also mediates inflammatory responses in the colon to allow recovery from intestinal

epithelial damage and protects against tumorigenesis and the development of colitis. Finally, this protein can increase activation of NF-kappa-B, activation of CASP1 through interaction

with ASC, and cAMP accumulation. [provided by RefSeq, Feb 2013]



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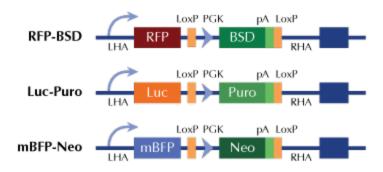
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## **Product images:**

#### Donor Vector Edited Chromosome



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