

## **Product datasheet for KN207045BN**

#### OriGene Technologies, Inc.

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### NALP12 (NLRP12) 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: NALP12 Locus ID: 91662

**Components:** KN207045G1, NALP12 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN207045G2**, NALP12 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207045BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

**GE100003**, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001277126, NM 001277129, NM 033297, NM 144687</u>

UniProt ID: P59046

Synonyms: CLR19.3; FCAS2; NALP12; PAN6; PYPAF7; RNO; RNO2

Summary: This gene encodes a member of the CATERPILLER family of cytoplasmic proteins. The

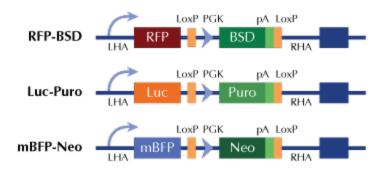
encoded protein, which contains an N-terminal pyrin domain, a NACHT domain, a NACHT-associated domain, and a C-terminus leucine-rich repeat region, functions as an attenuating factor of inflammation by suppressing inflammatory responses in activated monocytes. Mutations in this gene cause familial cold autoinflammatory syndrome type 2. Alternative

splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]



# **Product images:**

### Donor Vector Edited Chromosome



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