

## Product datasheet for **KN207045**

### NALP12 (NLRP12) 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:** NALP12  
**Locus ID:** 91662  
**Components:** **KN207045G1**, NALP12 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CACCTACTTGGAAGAACTCG  
**KN207045G2**, NALP12 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAAGAAGTTCAAGTTATACC  
**KN207045D**, 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\\_001277126](#), [NM\\_001277129](#), [NM\\_033297](#), [NM\\_144687](#)

**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:

