

## Product datasheet for **KN206687**

### TRIB3 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:** TRIB3  
**Locus ID:** 57761  
**Components:** **KN206687G1**, TRIB3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGGAAGAAGCGGTTGGAGT  
**KN206687G2**, TRIB3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCGTTTCTGGACGGGACGCT  
**KN206687D**, 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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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

**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\\_001301188](#), [NM\\_001301190](#), [NM\\_001301193](#), [NM\\_001301196](#), [NM\\_001301201](#), [NM\\_021158](#)

**UniProt ID:**

[Q96RU7](#)

**Synonyms:**

C20orf97; NIPK; SINK; SKIP3; TRB3

**Summary:**

The protein encoded by this gene is a putative protein kinase that is induced by the transcription factor NF-kappaB. The encoded protein is a negative regulator of NF-kappaB and can also sensitize cells to TNF- and TRAIL-induced apoptosis. In addition, this protein can negatively regulate the cell survival serine-threonine kinase AKT1. Differential promoter usage and alternate splicing result in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:

