

## Product datasheet for **KN205299**

### GNG4 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:	GNG4
Locus ID:	2786
Components:	<p><b>KN205299G1</b>, GNG4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TACCTTGACCCTGTCCATAC</p> <p><b>KN205299G2</b>, GNG4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCTGGCTTGGGAGATGCTAG</p> <p><b>KN205299D</b>, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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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\\_001098721](#), [NM\\_001098722](#), [NM\\_004485](#)

**UniProt ID:**

[P50150](#)

**Synonyms:**

DKFZp547K1018; FLJ23803; FLJ34187

**Summary:**

Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. [UniProtKB/Swiss-Prot Function]

Product images:

