

## Product datasheet for **KN217448LP**

### MAP4K3 Human 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
Symbol:	MAP4K3
Locus ID:	8491
Components:	<b>KN217448G1</b> , MAP4K3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN217448G2</b> , MAP4K3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN217448LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.

Homologous arm and Luciferase-Puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **Luciferase-Puro in green**; **Right arm in violet**

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 TGCCGGGAAG CTAGAGTAAG TAGTTCCGCA GTTAATAGTT TGCGCAACGT TGTTGCCATT GCTACAGGCA  
 TCGTGGTGTG ACGCTCGTCG TTTGGTATGG CTTCATTCAG CTCCGGTTCC CAACGATC

**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\\_001270425](#), [NM\\_003618](#)

**UniProt ID:**

[Q8IVH8](#)

**Synonyms:**

GLK; MAPK3; MEKK3; MEKKK3; RAB8IPL1

**Summary:**

This gene encodes a member of the mitogen-activated protein kinase kinase kinase family. The encoded protein activates key effectors in cell signalling, among them c-Jun. Alternatively spliced transcripts encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

**Product images:**

