

## Product datasheet for **KN309744RB**

### Map4k1 Mouse Gene Knockout Kit (CRISPR)

#### Product data:

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

**Donor DNA:** RFP-BSD

**Symbol:** Map4k1

**Locus ID:** 26411

**Components:** **KN309744G1**, Map4k1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)  
**KN309744G2**, Map4k1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)  
**KN309744RBD**, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.  
**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\\_008279](#), [NM\\_001355054](#)

**UniProt ID:** [P70218](#)

**Synonyms:** Hpk1; mHPK1

**Summary:** Serine/threonine-protein kinase, which may play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation. Able to autophosphorylate. [UniProtKB/Swiss-Prot Function]



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Product images:

