

Product datasheet for KN309744LP

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Map4k1 Mouse 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: 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)

KN309744LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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: <u>NM 008279</u>, <u>NM 001355054</u>

UniProt ID: <u>P70218</u>

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.

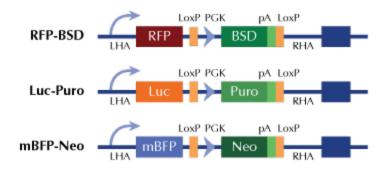
[UniProtKB/Swiss-Prot Function]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter