

## **Product datasheet for KN206015LP**

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## **PLK4 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: PLK4 Locus ID: 10733

**Components: KN206015G1**, PLK4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN206015G2**, PLK4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206015LPD, 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 001190799</u>, <u>NM 001190801</u>, <u>NM 014264</u>

UniProt ID: <u>000444</u>

**Synonyms:** MCCRP2; SAK; STK18

**Summary:** This gene encodes a member of the polo family of serine/threonine protein kinases. The

protein localizes to centrioles, complex microtubule-based structures found in centrosomes, and regulates centriole duplication during the cell cycle. Three alternatively spliced transcript variants that encode different protein isoforms have been found for this gene. [provided by

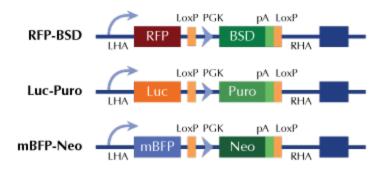
RefSeq, Jun 2010]





# **Product images:**

### Donor Vector Edited Chromosome



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