

## Product datasheet for KN204105LP

### OriGene Technologies, Inc.

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### ThPok (ZBTB7B) 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: ThPok Locus ID: 51043

**Components:** KN204105G1, ThPok gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN204105G2, ThPok gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN204105LPD, 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: NM 001252406, NM 001256455, NM 015872, NR 045515, NR 046206, NR 049765

UniProt ID: 015156

Synonyms: c-KROX; CKROX; hcKROX; THPOK; ZBTB15; ZFP-67; ZFP67; ZNF857B

**Summary:** This gene encodes a zinc finger-containing transcription factor that acts as a key regulator of

lineage commitment of immature T-cell precursors. It is necessary and sufficient for

commitment of CD4 lineage, while its absence causes CD8 commitment. It also functions as a transcriptional repressor of type I collagen genes. Alternatively spliced transcript variants

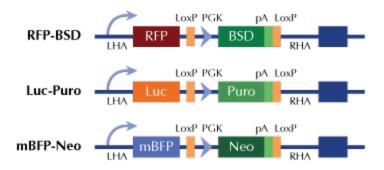
have been found for this gene. [provided by RefSeq, Jan 2012]





# **Product images:**

### Donor Vector Edited Chromosome



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