

Product datasheet for **KN204105BN**

ThPok (ZBTB7B) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
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) KN204105BND , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.

Homologous arm and mBFP-Neo sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **mBFP-Neo in green**; **Right arm in violet**

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 GGTATGGCTT CATTAGCTC CGGTTCCCAA CGATC

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:

[O15156](#)

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:

