

Product datasheet for **KN221855**

PNCK Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)
Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA: GFP-puro
Symbol: PNCK
Locus ID: 139728
Components: **KN221855G1**, PNCK gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGGTCAGCCTGTCCTCGGAG
KN221855G2, PNCK gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGAGCTCTTCGGCCACAGGT
KN221855D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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TGGCAACAAC GTTGCACAAA CTATTAACCTG GCGAACTACT TACTCTAGCT TCCCAGCAAC AATTAATAGA
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AACACTCAAC CCTATCTCGG GCTATTCTTT TGATTTATAA GGGATTTTGC CGATTTCGCG CTATTGGTTA
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ACTGCGGCA ACTTACTTCT GACAACGATC GGAGGACCGA AGGAGCTAAC CGCTTTTTTG CACAACATGG
GGGATCATGT AACTCGCCTT

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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_001039582](#), [NM_001135740](#), [NM_198452](#), [NM_001366975](#), [NM_001366977](#),
[NM_001366979](#), [NM_001366976](#), [NM_001366978](#), [NM_001366980](#)

UniProt ID:

[Q6P2M8](#)

Synonyms:

BSTK3; CaMK1b

Summary:

PNCK is a member of the calcium/calmodulin-dependent protein kinase family of protein serine/threonine kinases (see CAMK1; MIM 604998) (Gardner et al., 2000 [PubMed 10673339]).[supplied by OMIM, Mar 2008]

Product images:

