

Product datasheet for **KN233808**

PLK5 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:	PLK5
Locus ID:	126520
Components:	KN233808G1 , PLK5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGTTTTGGTACATCTCCGAC KN233808G2 , PLK5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTTCGGGGTAGTGGCCCTCA KN233808D , 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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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CGACGGCCAG TGAATTGGAG GCTACAGTCA GTGGAGAGGA CTTTCACTGA CTGACTGACT GGAAGACACA
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TGTCACGCTC GTCGTTTGGT ATGGCTTCAT TCAGTCCGG TTCCAACGA TC
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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_001011716](#), [NM_001243079](#), [NR_026557](#)

UniProt ID:

[Q496M5](#)

Synonyms:

PLK-5; PLK5P; SgK384ps

Summary:

Inactive serine/threonine-protein kinase that plays a role in cell cycle progression and neuronal differentiation.[UniProtKB/Swiss-Prot Function]

Product images:

