

Product datasheet for **KN216630RB**

DNA PKcs (PRKDC) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	DNA PKcs
Locus ID:	5591
Components:	KN216630G1 , DNA PKcs gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN216630G2 , DNA PKcs gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN216630RBD , donor DNA containing left and right homologous arms and RFP-BSD 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_001081640](#), [NM_006904](#)

UniProt ID: [P78527](#)

Synonyms: DNA-PKcs; DNAPK; DNPk1; HYRC; HYRC1; IMD26; p350; XRCC7

Summary: This gene encodes the catalytic subunit of the DNA-dependent protein kinase (DNA-PK). It functions with the Ku70/Ku80 heterodimer protein in DNA double strand break repair and recombination. The protein encoded is a member of the PI3/PI4-kinase family.[provided by RefSeq, Jul 2010]



[View online »](#)

Product images:

