

Product datasheet for **KN212747RB**

PRR6 (CENPV) 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:	PRR6
Locus ID:	201161
Components:	<p>KN212747G1, PRR6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCGGCGATCGAGGAGCTCTG</p> <p>KN212747G2, PRR6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCCGGGAGCAAGGCCAGG</p> <p>KN212747RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p>

Homologous arm and RFP-BSD sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **RFP-BSD in green**; **Right arm in violet**

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TGGCAACAAC GTTGCACAAA CTATTAACCTG GCGAACTACT TACTCTAGCT TCCCAGCAAC AATTAATAGA
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GATCATGTAA CTCGCCTT

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_181716](#)

UniProt ID:

[Q7Z7K6](#)

Synonyms: 3110013H01Rik; CENP-V; p30; PRR6

Summary: Required for distribution of pericentromeric heterochromatin in interphase nuclei and for centromere formation and organization, chromosome alignment and cytokinesis.
[UniProtKB/Swiss-Prot Function]

Product images:

