

Product datasheet for **KN212747**

PRR6 (CENPV) 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:	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: GGCCGGGAGCAAGAGCCAGG</p> <p>KN212747D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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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 TGGGGGATCA TGTAACCTCG CTT

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:

