

## Product datasheet for **KN206933LP**

### Rb (RB1) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	Rb
Locus ID:	5925
Components:	<b>KN206933G1</b> , Rb gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN206933G2</b> , Rb gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN206933LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_000321</a>
UniProt ID:	<a href="#">P06400</a>
Synonyms:	OSRC; p105-Rb; pp110; PPP1R130; pRb; RB
Summary:	The protein encoded by this gene is a negative regulator of the cell cycle and was the first tumor suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bladder cancer, and osteogenic sarcoma. [provided by RefSeq, Jul 2008]



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Product images:

