

## **Product datasheet for KN212982RB**

**RICTOR Human Gene Knockout Kit (CRISPR)** 

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# Product data:

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA:RFP-BSDSymbol:RICTORLocus ID:253260

**Components: KN212982G1**, RICTOR gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN212982G2, RICTOR gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN212982RBD, 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:** <u>NM 001285439</u>, <u>NM 001285440</u>, <u>NM 152756</u>

UniProt ID: Q6R327

Synonyms: AVO3; hAVO3; PIA

**Summary:** RICTOR and MTOR (FRAP1; MIM 601231) are components of a protein complex that

integrates nutrient- and growth factor-derived signals to regulate cell growth (Sarbassov et

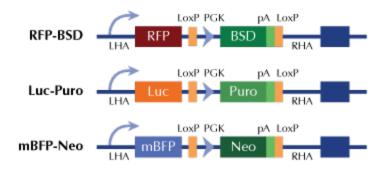
al., 2004 [PubMed 15268862]).[supplied by OMIM, Mar 2008]





# **Product images:**

### Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter