

## Product datasheet for **KN201484LP**

### **RIOK2 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:	RIOK2
Locus ID:	55781
Components:	<b>KN201484G1</b> , RIOK2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN201484G2</b> , RIOK2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN201484LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
RefSeq:	<a href="#">NM_001159749</a> , <a href="#">NM_018343</a>
UniProt ID:	<a href="#">Q9BVS4</a>
Synonyms:	RIO2
Summary:	Serine/threonine-protein kinase involved in the final steps of cytoplasmic maturation of the 40S ribosomal subunit. Involved in export of the 40S pre-ribosome particles (pre-40S) from the nucleus to the cytoplasm. Its kinase activity is required for the release of NOB1, PNO1 and LTV1 from the late pre-40S and the processing of 18S-E pre-rRNA to the mature 18S rRNA (PubMed:19564402). Regulates the timing of the metaphase-anaphase transition during mitotic progression, and its phosphorylation, most likely by PLK1, regulates this function (PubMed:21880710).[UniProtKB/Swiss-Prot Function]



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## Product images:

