

## Product datasheet for **KN318888RB**

### Vhl Mouse 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:	Vhl
Locus ID:	22346
Components:	<b>KN318888G1</b> , Vhl gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN318888G2</b> , Vhl gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN318888RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD 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_009507</a>
UniProt ID:	<a href="#">P40338</a>
Synonyms:	Vhlh
Summary:	Involved in the ubiquitination and subsequent proteasomal degradation via the von Hippel-Lindau ubiquitination complex. Seems to act as a target recruitment subunit in the E3 ubiquitin ligase complex and recruits hydroxylated hypoxia-inducible factor (HIF) under normoxic conditions. Involved in transcriptional repression through interaction with HIF1A, HIF1AN and histone deacetylases. Ubiquitinates, in an oxygen-responsive manner, ADRB2 (By similarity).[UniProtKB/Swiss-Prot Function]



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## Product images:

