

Product datasheet for KN318888BN

Vhl Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA:

Symbol: Vhl 22346 Locus ID:

KN318888G1, Vhl gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN318888G2, Vhl gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN31888BND, donor DNA containing left and right homologous arms and mBFP-Neo

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: NM 009507

UniProt ID: P40338 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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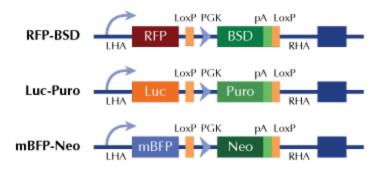
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Product images:

Donor Vector Edited Chromosome



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