

## Product datasheet for KN318810LP

# **Usp51 Mouse Gene Knockout Kit (CRISPR)**

### **Product data:**

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

2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control Format:

Donor DNA: Luciferase-Puro

Usp51 Symbol: Locus ID: 635253

**KN318810G1**, Usp51 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN318810G2, Usp51 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN318810LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 001137547

**UniProt ID:** B1AY15 Synonyms: AV136873

**Summary:** Deubiquitinates histone H2A at 'Lys-13' and 'Lys-15' and regulates DNA damage response.

> USP51 is recruited to chromatin after DNA damage and regulates the dynamic assembly/disassembly of TP53BP1 and BRCA1 foci.[UniProtKB/Swiss-Prot Function]

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

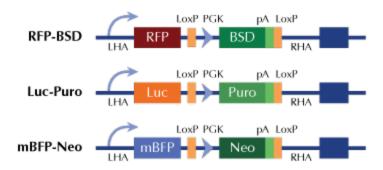
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



# **Product images:**

### Donor Vector Edited Chromosome



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