

Product datasheet for **KN318810LP**

Usp51 Mouse 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:	Usp51
Locus ID:	635253
Components:	<p>KN318810G1, Usp51 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN318810G2, Usp51 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN318810LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
Disclaimer:	<p>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.</p>
RefSeq:	<u>NM_001137547</u>
UniProt ID:	<u>B1AY15</u>
Synonyms:	AV136873
Summary:	<p>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]</p>



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Product images:

