

## Product datasheet for **KN311127LP**

### Notch4 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:	Notch4
Locus ID:	18132
Components:	<b>KN311127G1</b> , Notch4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN311127G2</b> , Notch4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN311127LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro 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_010929</a>
UniProt ID:	<a href="#">P31695</a>
Synonyms:	Int-3; Int3; N4
Summary:	Functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs (By similarity). May regulate branching morphogenesis in the developing vascular system.[UniProtKB/Swiss-Prot Function]



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Product images:

