

### Product datasheet for KN311126BN

# **Notch3 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:** mBFP-Neo

Symbol: Notch3

**Locus ID:** 18131

**Components: KN311126G1**, Notch3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN311126G2, Notch3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN311126BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

**RefSeq:** <u>NM 008716</u>

UniProt ID: Q61982

Synonyms: AW229011; hpbk; N3

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 play a role during

CNS development.[UniProtKB/Swiss-Prot Function]



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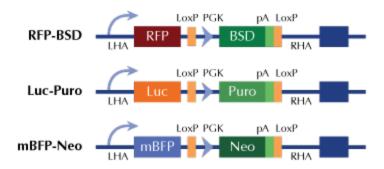
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# **Product images:**

#### Donor Vector Edited Chromosome



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