

## 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:   | <p><b>KN311126G1</b>, Notch3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN311126G2</b>, Notch3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN311126BND</b>, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>                                                                                                                                     |
| RefSeq:       | <u><a href="#">NM_008716</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UniProt ID:   | <u><a href="#">Q61982</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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] |



[View online »](#)

## Product images:

