

## Product datasheet for **KN301413BN**

### Apobec3 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:	Apobec3
Locus ID:	80287
Components:	<p><b>KN301413G1</b>, Apobec3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN301413G2</b>, Apobec3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN301413BND</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>
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:	<a href="#">NM_001160415</a> , <a href="#">NM_001347041</a> , <a href="#">NM_030255</a>
UniProt ID:	<a href="#">Q99J72</a>
Synonyms:	Apobec; Arp3; BC003314; Cem15; Rfv3
Summary:	<p>DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase-dependent and -independent mechanisms. Selectively targets single-stranded DNA and does not deaminate double-stranded DNA or single-or double-stranded RNA. Exhibits antiviral activity against HIV-1, simian immunodeficiency viruses (SIVs), mouse mammary tumor virus (MMTV) and friend murine leukemia virus (FrMLV) and may inhibit the mobility of LTR retrotransposons.</p> <p>[UniProtKB/Swiss-Prot Function]</p>



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## Product images:

