

Product datasheet for **KN308140**

Ifnb1 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	Ifnb1
Locus ID:	15977
Components:	<p>KN308140G1, Ifnb1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACAGCAGGAACGCAGCGTGG</p> <p>KN308140G2, Ifnb1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGCTTATAGTTGATGGAGA</p> <p>KN308140D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 ACAGGCATCG TGGTGTACG CTCGTCGTTT GGTATGGCTT CATTACGCTC CGTTCCCAA CGATC

GE100003, 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:

[NM_010510](#)

UniProt ID:

[P01575](#)

Synonyms:

Ifb; IFN-beta; IFNB

Summary:

Has antiviral, antibacterial and anticancer activities.[UniProtKB/Swiss-Prot Function]

Product images:

