

Product datasheet for **KN311123**

Nostrin 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:	Nostrin
Locus ID:	329416
Components:	<p>KN311123G1, Nostrin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCACCGAACAGTCCGTCAGT</p> <p>KN311123G2, Nostrin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCCCCTAGCCTCGTACACAC</p> <p>KN311123D, 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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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TAGTTTGCGC AACGTTGTTG CCATTGCTAC AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA
TTCAGCTCCG GTTCCCAACG ATC

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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_181547](#)

UniProt ID:

[Q6WKZ7](#)

Synonyms:

Daip2; mDaIP2

Summary:

Multivalent adapter protein which may decrease NOS3 activity by inducing its translocation away from the plasma membrane.[UniProtKB/Swiss-Prot Function]

Product images:

