

Product datasheet for **KN312746**

Padi2 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:	Padi2
Locus ID:	18600
Components:	<p>KN312746G1, Padi2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGTGGAGGCGGTGTACGTGC</p> <p>KN312746G2, Padi2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGCAGCATATTTCCCGTAT</p> <p>KN312746D, 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
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 TTAATTGTTG CCGGGAAGCT AGAGTAAGTA GTTCGCCAGT TAATAGTTTG CGCAACGTTG TTGCCATTGC
 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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_008812](#)

UniProt ID:

[Q08642](#)

Synonyms:

mKIAA0994; Pdi; Pdi2

Summary:

Catalyzes the deimination of arginine residues of proteins.[UniProtKB/Swiss-Prot Function]

Product images:

