

Product datasheet for **KN312993**

Pdcd1lg2 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: Pdcd1lg2
Locus ID: 58205
Components: **KN312993G1**, Pdcd1lg2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTACAACCTTCATCCTGTAGC
KN312993G2, Pdcd1lg2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTAGGAACGGAAGATGGGA
KN312993D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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GTACAGCTC GTCGTTTGGT ATGGCTTCAT TCAGTCCCG TTCCCAACGA TC

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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_021396](#)

UniProt ID:

[Q9WUL5](#)

Synonyms:

B7-DC; Btdc; F730015O22Rik; PD-L2

Summary:

Involved in the costimulatory signal essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production.[UniProtKB/Swiss-Prot Function]

Product images:

