

Product datasheet for **KN303962**

Ctla4 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:	Ctla4
Locus ID:	12477
Components:	KN303962G1 , Ctla4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCAGTTGAGCTTTGTACCTC KN303962G2 , Ctla4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGGCTTGTCTTGGACTCCGG KN303962D , 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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 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_001281976](#), [NM_009843](#)

UniProt ID:

[P09793](#)

Synonyms:

Cd152; Ctla-4; Ly-56

Summary:

This gene is a member of the immunoglobulin superfamily, and encodes a protein that functions as a negative regulator of T-cell responses. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2013]

Product images:

