

Product datasheet for **KN308293**

Il6 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:	Il6
Locus ID:	16193
Components:	<p>KN308293G1, Il6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGTCTCAATAGCTCCGCCAG</p> <p>KN308293G2, Il6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCCTTCACTTACTTGCAGAG</p> <p>KN308293D, 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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 GGAAGCTAGA GTAAGTAGTT CGCCAGTTAA TAGTTTGGCG AACGTTGTTG CCATTGCTAC AGGCATCGTG
 GTGTACGCT CGTCGTTTGG TATGGCTTCA TTCAGCTCCG GTTCCCAACG ATC

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_031168](#)

UniProt ID:

[P08505](#)

Synonyms:

Il-6

Summary:

This gene encodes a member of the interleukin family of cytokines that have important functions in immune response, hematopoiesis, inflammation and the acute phase response. The ectopic overexpression of the encoded protein in mice results in excessive plasma cells in circulation, leading to death. Mice lacking the encoded protein exhibit abnormalities in hepatic acute phase response, some immune mechanisms, bone resorption in response to estrogen, liver regeneration and wound healing. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]

Product images:

