

## Product datasheet for **KN206629**

### Interleukin 34 (IL34) Human 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:	Interleukin 34
Locus ID:	146433
Components:	<p><b>KN206629G1</b>, Interleukin 34 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTATGGTTACGGCAGATCC</p> <p><b>KN206629G2</b>, Interleukin 34 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCTGGCTGCGCTGTGAGTAC</p> <p><b>KN206629D</b>, 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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CTGCCAGCTG GTGTCATCAT AACTCACTCA TGGGCCAGGG CCGTTCGGAC ATCCTGAAGT CATTCTCAC
GTGAGCCGTG TCCAGCTGCC AGGGCCGGGT GGTCTGTGC AGGCCGTGGG TGCGGTGTGC GCTGTGGCTG
ATGGCTGAGT GGCAGCGCTG CTCTTACATA ATCAGTTTCT CTCTCCTTT CTCTTCTAG AGCCAGATTT
CACACTGAGC AGCTGCAGTC GGAGAAATCA GAGAAAGCGT CACCCAGCCC CAGATTCCGA GGGGCCTGCC
AGGGACTCTC TCCTCCTGCT CTTTGGAAAG GAAGACCCCG AAAGACCCCC AAGCCACCGG CTCAGACTGT
CTTCTGGGCT GCCATGGGAC TTGCGGCCAC CGCCCCCGG CTGTCCTCCA CGCTGCCGGG CAGATAAGGG
CAGCTGCTGC CTTGGGGCA CCTGCTCACT CCCGAGCCC AGCCACTCCT CCAGGGCCAG CCCTTCCCTG
ACTGAGTGAC CACCTCTGCT GCCCCGAGGC CATGTAGGCC GTGCTTAGGC CTCTGTGGAC ACACTGCTGG
GGACGGCGCC TGAGCTCTCA GGGGGACGAG GAACACCACC AACCAGGGCA TTCTTGCTGG TGAGAAGTTG
CGATGCTTCC CAGCCGGACT GCAGACACC TCTGAGATTC CCACGGCCGC CGTCTGCCCT GTCTGCCGCT
CACTTCGGGC TCCGACGGC AAGCTGGGTG GGCAGTTCTG GCTGGGTGGG CATGGTCCTC AGGGTGGTCT
TAGGTCGGGG CAGGCACTGG GGGTAGGTGG CAGCATCTCA CCTTCCAGG CTTGTGGGTG TTGGGGAGCC
CCGGGCGGGC AGCAGCGGCC CAGTCCTGGG TATGGCCGGT GGAGGGGGGC AGGGGCTGGT GAAAGTGTCT
AGGGACCCAA GACCCACGC AGAAGAGCAG CCAGATGCCT GGAGAAGGCA GCCTGTTCC CTTCAACCCCT
CCCTCCATAA CAGAACAGAA TTA AAAAGCA GAAAGATAAC ACTGTTGGTA AAAAGAAAAA TAAGTTGAAA
TGAGGACAGA AAGGAAAAA AGGATCTGGA AGCCTCTTAT GCCTGCTGGC TGGGAGGCCA GACCAAGATC
CCCTCAGTCT CCAAGATCCA GTTCAATTGA CTCAAATTCA ACACATTTT CCGGTGCCTC CCACGTGCC
ACTGCAGAGT

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**GE100003**, scramble sequence in pCas-Guide vector



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**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\\_001172771](#), [NM\\_001172772](#), [NM\\_152456](#)

**UniProt ID:** [Q6ZMJ4](#)

**Synonyms:** C16orf77; IL-34

**Summary:** Interleukin-34 is a cytokine that promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor (CSF1R; MIM 164770) (Lin et al., 2008 [PubMed 18467591]).[supplied by OMIM, May 2008]

### Product images:

