

Product datasheet for KN206629BN

OriGene Technologies, Inc.

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Interleukin 34 (IL34) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo **Symbol:** Interleukin 34

Locus ID: 146433

Components: KN206629G1, Interleukin 34 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN206629G2, Interleukin 34 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN206629BND**, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

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: <u>NM 001172771</u>, <u>NM 001172772</u>, <u>NM 152456</u>

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

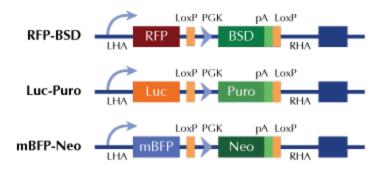
al., 2008 [PubMed 18467591]).[supplied by OMIM, May 2008]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter