

### Product datasheet for KN308286BN

# Il34 Mouse 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

**II34** Symbol: Locus ID: 76527

**KN308286G1**, II34 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN308286G2, II34 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN308286BND, 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: NM 001135100, NM 029646

**UniProt ID:** Q8R1R4

Synonyms: 2010004A03Rik; AI593503

Summary: Cytokine that promotes the proliferation, survival and differentiation of monocytes and

> macrophages. Promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of

MAPK1/ERK2 AND MAPK3/ERK1 (By similarity).[UniProtKB/Swiss-Prot Function]



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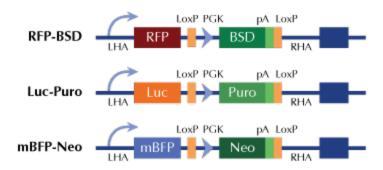
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# **Product images:**

#### Donor Vector Edited Chromosome



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